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ABSTRACT

The Education Committee of the Federation of American Societies for Experimental Biology (FASEB) organized a Task Force on Precollege Science Education Programs to develop a strategy for increasing the involvement of scientific research personnel in the implementation of innovative elementary and secondary science education programs. This report summarizes the comments and recommendations of the Task Force that transpired during their audioconference discussions. Contents include: (1) an introduction (outlining the scope of the study and identifying the specific tasks to be undertaken); (2) strategies for involving research scientists in improvement of science education (suggesting ways that research scientists and scientific organizations could assist teachers and identifying examples of innovative approaches); (3) conclusions and recommendations (containing both general conclusions and specific recommendations to the FASEB); and (4) literature cited. Appendices consist of an explanation of the federation's Visiting Scientists for Minority Institutions Program, a suggested model for FASEB speakers bureau, and a listing of the members of the FASEB education committee and Task Force. (ML)

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A Report Prepared for the
Office of the Assistant Secretary for Educational Research and Improvement
Educational Research and Improvement Branch
United States Department of Education
Washington, D.C. 20202

under

DOE Contract Number 300-82-0378

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by the

Task Force on Precollege Science Education
of the
FASEB Education Committee

FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY
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Bethesda, Maryland 20814

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B. J. Trump, M.D., Chairman

Edited by
K. D. Fisher, Ph.D.

FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY
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FOREWORD

The Education Committee of the Federation of American Societies for Experimental Biology (FASEB), formed in 1981, consists of representatives of each of the six constituent societies. The Committee includes in its purpose the responsibility for furnishing guidance and counsel to the Executive Director in representing the Federation's position and initiatives in the area of science education. Furthermore, it is charged with developing recommendations for sound educational programs to be administered by the FASEB staff after approval by the FASEB board. At its meeting on November 18, 1982, the Committee responded favorably to a request from the Office of Educational Research and Improvement (OERI), U.S. Department of Education, that the Federation assist in developing a strategy for increasing direct involvement of the nation's scientific research personnel in the implementation of innovative science education programs in the elementary and secondary schools. This project is a component of the comprehensive efforts of the U.S. Department of Education and complements initiatives of many professional, educational, and scientific organizations designed to upgrade the resources and capabilities for teaching of science, mathematics, and technology in the primary and secondary school systems.

As an initial step, the FASEB Education Committee organized a Task Force on Precollege Science Education Programs consisting of eighteen knowledgeable scientists selected from the membership of the six constituent societies. Members of the Task Force are identified in Appendix V-C. Communications of the Task Force were conducted by telephone conference calls because of the time constraints and urgency of the study. The Federation was assisted by ConferTech International, Inc. (L.A. Bransford, see Appendix V-C) who, under terms of a separate contract with OERI, U.S. Department of Education, designed, arranged, and evaluated a series of four audioconferences. Three 60 minute conference calls were made with three separate groups of six to eight Task Force and Education Committee members. Subsequently, the Education Committee met by audioconference to review the discussions of the Task Force. While not as effective as actual face-to-face meetings, the audioconferencing technique served to maximize opportunity for dialogue among Task Force members, minimize overall study costs, and make efficient use of available time of the participating scientists. Task Force members were able to discuss extensively their experience and knowledge of innovative efforts to involve research scientists in precollege science education at the local level and to develop a consensus on the outline of this report. A draft report based on audioconference discussions was prepared and reviewed by members of the Task Force.

This report contains the comments and recommendations of the Task Force. It has been reviewed and approved for submission by the FASEB Education Committee and the FASEB Executive Director. The assistance of K.D. Fisher, Ph.D., Director, Life Sciences Research Office, FASEB, who prepared background material for the Task Force and edited the report, is appreciated.

Wed 1 14 83

Date

Benjamin J. Trump, M.D., Chairman
FASEB Education Committee

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I. INTRODUCTION

A. BACKGROUND

Deficiencies in teaching of science, mathematics, and technology have been recognized by many segments of the public in the past decade. As a result, precollege science education is now an issue of national concern. Most authorities concede that the last national thrust toward a strong emphasis on science and mathematics education occurred in the early 1960's, partially in response to the challenge of Sputnik. Since that time, several disturbing trends have been identified in student performance and achievement, changing patterns of primary and secondary education, quantity and quality of instruction, and increasing divergence in public understanding of the impact of science and technology on contemporary life. In addition, economic, political, and social developments during the decade have been of such magnitude that the traditional strength of the total educational system in this country has been eroded. These observations and supporting data are amply documented in recent reports of the National Science Foundation (1), the National Academy of Sciences (3), and the National Science Foundation and U.S. Department of Education (4).

The magnitude of concern for precollege science and mathematics education is reflected in responses by the public and private sectors. The National Science Board of the National Science Foundation has established a Commission on Precollege Education in Mathematics, Science, and Technology (1) as a result of the publication of a major comprehensive study which documented needs of the U.S. educational system in this area (4). The National Academies of Science and Engineering sponsored a major convocation on issues in science and mathematics education in May 1982 (3). The American Association for the Advancement of Science, the American Chemical Society, and the National Association of Biology Teachers are among the major professional organizations that have mounted extensive programs and efforts to address shortcomings in science and mathematics education at the primary and secondary levels.

One traditional strength of the educational system of this nation is its reliance on local control and dependence on fiscal support by its immediate constituency. There are over 16,000 school districts in the United States with varying degrees of autonomy. Within limitations prescribed by federal and state statutes, local school boards are responsible for curricula approval, graduation requirements, physical facilities, teacher qualifications, and salary scales. Despite a multiplicity of approaches to supplying education, the issues and problems of each district or board in regard to science and mathematics education have some commonality. Thus, each school district has its own unique set of opportunities and limitations. Before the NSB Commission at a recent public hearing, Paul D. Hurd (2) (Emeritus Professor of Education, Stanford University) discussed common problems, issues, and trends in precollege science education throughout the United States. He summarized the critical aspects as follows:

- The decline in student enrollments in science courses;
- The poor quality of student achievement;
- The demotivation of students for careers in science;

- The disaffection of young people toward choosing careers as science teachers;
- The negative attitudes toward science and technology by too large a percent of the U.S. adult population;
- The disembowelment of science teacher education programs in universities;
- The frustrations of qualified science teachers leading to their exodus from the profession;
- The lack of leadership in schools for revitalizing science curricula;
- The vagueness of national policies on science and technology and their implications for an education in the sciences;
- The low priority parents give to science instruction in the schools;
- The sluggishness and indecisiveness with which the science, engineering, and education communities have responded to problems of school science teaching;
- The growing number of households which harbor an unfavorable environment for study and learning; and,
- The public's current disillusionment with the whole of precollege education.

Thus, there is ample evidence of a consensus that the U.S. education system is not preparing young persons to live in a dynamic society which is increasingly defined, supported, enriched, and possibly endangered by science and technology. Young persons are not adequately prepared in the basic knowledge and skills of science and mathematics. Their inadequacies are attributable to a failure of those responsible for determining educational challenges, goals, and policies, but these inadequacies are the responsibility of all citizens of the United States.

B. SCOPE OF THE STUDY

Just as there is a considerable body of knowledge as to the breadth, scope, and complexity of issues and problems, there are a multiplicity of strategies, programs, and efforts by federal, state, and local governments, industry, the private sector, and numerous organizations to improve scientific and mathematical literacy of the nation's youth.

It is of interest to note that the 1980 NSF report (4) concluded that for the past several years, scientific and professional societies outside the mainstream of precollege science education have exhibited a lack of interest

and involvement with science education in the primary and secondary schools. The report also pointed out that there was a noticeable absence of coordination among the various components of the science and engineering education system, particularly between the secondary and university levels.

However, this absence of interest and involvement of scientific societies is changing. At the recent National Academy Convocation, Anna J. Harrison, AAAS President, suggested that scientific societies furnish an effective mechanism for involving the scientific community in precollege education. The learned scientific organizations "can provide leadership in rethinking the objectives and goals of precollege education, enhance the prestige of precollege science teachers within the scientific and technological community ..., ensure the integrity of science ... [and] promote an understanding amongst those who teach of this relation of science and technology to society" (3). The Education Committee of the Federation of American Societies for Experimental Biology (FASEB) believes that the Federation and its membership can play a useful role in providing leadership as appropriate.

The Committee also concluded that what appears to be an absence of interest and involvement of scientific societies is more a reflection of attention to central goals of such societies and not a reflection of the activities of many of its members. A number of university, industry, and public sector research scientists are actively engaged in both professional and personal activities that lend expertise and support to precollege science and mathematics education. By serving as resource persons, school board members, speakers, science fair judges, as well as summer employers of teachers and students, a large number of research scientists do participate in enhancement of precollege science and mathematics education. The FASEB Task Force on Precollege Science Education was organized to analyze current efforts and explore how the Federation and its members might expand the application of their individual and collective resources to assist and participate in efforts to upgrade science education. The Task Force was charged with the development of a strategy or a series of approaches to systematic involvement of research scientists in facilitating, implementing, and assessing innovations in program improvement that have been and will be undertaken by local officials responsible for primary and secondary science education. It is not the purpose of the Task Force to initiate or implement innovations in science education, but rather to support, as appropriate, those professionals at the local level who are responsible for providing adequate educational opportunities, facilities, and resources.

In organizing the Task Force, the Education Committee discussed a number of past, current, and potential approaches for involving research scientists in improving precollege education in the biological sciences and suggested the Task Force undertake two initial efforts, specifically:

(a) *Identify approaches and opportunities for research scientists to participate in improvement of science and mathematics education at the local level.*

(b) *Prepare a position paper on these approaches and opportunities, summarizing those substantive elements that could be addressed by the Federation and its member scientists.*

II. STRATEGIES FOR INVOLVING RESEARCH SCIENTISTS IN IMPROVEMENT OF SCIENCE EDUCATION

The major focus of this study is the identification of ways and means by which research scientists may make their experience and knowledge more available to those persons throughout the country who are responsible for upgrading primary and secondary science education. One aspect of the effort is to identify successful and/or innovative techniques for involvement of research scientists as individuals or as representatives of organizations, such as universities and colleges, academic departments, industrial laboratories, or scientific organizations. A second aspect is the communication of opportunities for successful and innovative efforts and the means for their implementation to the scientific research community.

Based on its initial efforts, the Task Force concluded that there are many research scientists who are involved with local efforts to enhance precollege science education and that there are several models of novel and successful programs, cooperative ventures, and activities involving research scientists. The following section of this report provides several examples and concepts of approaches and opportunities. The list is by no means exhaustive and should not be considered indicative of the broad range of potential programs and interactions.

The Task Force also concluded that there is an equivalent, if not perhaps a greater, need to make the biological scientific research community aware of ongoing activities and cognizant of the many opportunities for individual and collective involvement. The Task Force suggests that scientific organizations, such as the Federation as well as other scientific societies, are well equipped to contribute their expertise in this latter area. For these reasons, the latter portion of this section of the report discusses approaches that scientific organizations might take in communicating needs and opportunities for member scientists to increase their participation in precollege science education.

A. OPPORTUNITIES FOR RESEARCH SCIENTISTS
(listed without intended order of priority)

1. Interact with science teachers and educators as professionals by extending invitations to seminars, gifts of surplus journals and equipment, etc.

2. Cooperate with academic and public science educators, and with other science and education organizations, to synergistically build a balanced approach to science and mathematics education in the primary and secondary grades.

3. Distribute materials such as information, brochures, reports, or surplus journals, books, or equipment from laboratories and professional organizations to science teachers in local school systems.

4. Invite participation of science teachers in departmental seminars, special lectures, demonstration programs, tours, etc.

5. Organize local industrial and academic resource scientists to provide opportunities for science teachers and students, such as:

   - participation in workshops on recent advances in biology
   - part-time employment in the research setting
   - preparation of a directory of locally available resource scientists
   - summer research participation programs
   - tours of research facilities.

6. Organize local scientific resource persons as support groups providing data or information as requested by science educators.

7. Participate in programs developed by science educators to upgrade science education for students in general and the gifted in particular and in efforts to raise public awareness of the role of science and mathematics in contemporary society.

8. Participate in efforts of universities and colleges to strengthen the education and training of primary and secondary school science teachers.

9. Promote practical experience as an important component of science education by means of opportunities for employment, lectures, tours, preparation of laboratory exercises, demonstrations, etc.

10. Encourage involvement and provide recognition for colleagues and employees who become involved in efforts to enhance primary and secondary school science programs.

11. Support or initiate efforts to identify and support "Master Teachers" in local schools.

12. Volunteer to participate or become involved as a:

    - resource biologist for a class, teacher, science department, curriculum committee, school subdivision, school board, or other organizations with programs designed to enhance science education.

    - speaker; as a member of a visiting scientist program, such as a FASEB Speakers' Bureau; or as an individual who lectures to teachers, curriculum committees, parent/teacher groups, who discusses issues with students, who provides input to school departments, etc.

    - advisor to teachers, counselors, and students.

- workshop participant in short courses, training sessions, academic courses, etc.

- worker in local efforts to marshall communities' scientific resources to bear on local needs. Represent or facilitate cooperative efforts of professional groups, universities, colleges, industrial laboratories, science libraries, research departments, scientific societies, civic clubs, service clubs, parent/teacher associations, fraternal organizations, etc.

B. SUGGESTED ACTIVITIES OF SCIENTIFIC ORGANIZATIONS

Scientific societies and professional organizations share a series of common purposes with respect to services for their members and activities impacting on the general public. They are, however, markedly diverse in terms of their activities, resources, and disciplinary scope. Despite these differences, organizations such as the Federation can play a major role in both communicating information and serving as a resource. With respect to precollege science education, these two functions may be directed to both the membership of the organization and to the educational community as well as the general public. Some possible means of carrying out these functions include:

(1) *Communicating information on science and scientific disciplines to the science education community and general public.*

(a) Develop a periodic publication that provides descriptions and interpretation of specific scientific advances or develop a means to have such materials incorporated into publications now reaching students, teachers, public officials, and other interested parties.

(b) Institute stronger lines of communication with science media representatives (newspapers, television, commercial radio, public broadcasting, etc.) to enhance factual communication of scientific events and discoveries to the public and to the education community.

(c) Disseminate papers, statements, testimony, and other materials prepared by the scientific organization and/or its members that provide information and views on major topics within the respective disciplines or that deal with issues related to precollege science education. The perspectives (as well as supporting and opposing opinions) of professional biologists, engineers, and mathematicians should be available on such issues as:

- the debate over differential salaries for science and mathematics teachers

- local, state, and federal legislative and administrative efforts to support upgrading of current teachers and to finance advanced training of new teachers

- aspects of integrated or separate curricula in areas of science

- national initiatives to provide federal funds for various opportunities that provide research experience, training, and other programs for teachers and students

- reallocation of limited local, state, and federal funds to upgrade primary and secondary education.

(d) Identify the extent of general and topical scientific interest within the education community to establish a resource unit or clearinghouse for development of new materials for broader communication to the science education community.

(2) Communicating the needs of the science education community for involvement of research scientists in precollege science education as well as opportunities and ideas for involvement at the local level.

(a) Utilize journals, newsletters, and other "house organs" of the organization to communicate to members the attendant issues, examples of current successful efforts, existing needs and opportunities, and related extant data on involvement of research scientists in primary and secondary science education. This strategy would require no new publications, but would be a sustained programmatic effort.

(b) Identify and circulate information and data from other scientific organizations regarding their respective efforts to communicate their disciplinary perspectives on needs and opportunities related to improvement of precollege science education.

(c) Utilize the contacts with interested member scientists to build the nucleus of a resource roster of persons and programs that could be available to the science education community and general public.

(3) Serving as a resource or clearinghouse for those individuals or groups in the science education community who are seeking the involvement or expertise of research scientists in the several respective disciplines.

(a) Establish a directory of resource scientists who are willing to participate in aspects of precollege science education, such as sources of information on specific scientific topics; sources of referrals to other investigators; input on curriculum content; sources of information on laboratory facilities, experiments, equipment, costs, etc. Building and maintaining a directory of resource scientists could be patterned after the Federation's "Visiting Scientists for Minority Institutions" (see Appendix V-A).

(b) Establish a Federation Speakers' Bureau and develop a model for establishment of a network of speakers' bureaus throughout the country (see Appendix V-B). Such a speakers' bureau would make knowledgeable investigators with special expertise in education available to school boards, schools, science teachers, specific classes, legislative committees, education task forces, as requested and as appropriate. A key feature of the network concept would be use of local research scientists in the local community.

(c) Prepare a directory of opportunities for educational enrichment within the disciplinary subject matter including:

- summer research opportunities for teachers
- summer and work release opportunities for students interested in careers in research
- degree programs and special courses in specific topic areas
- workshops on specific subjects
- resources for classroom presentation, laboratory equipment, reference materials, scientific books, journals, etc.

(d) Conduct workshops, special enrichment courses covering selected topics.

(e) Develop resource material on experimental exercises and studies for use in illustrating new and emerging concepts in science.

(f) Prepare position papers or statements that objectively present contemporary issues in research (see 1c above).

(4) *Providing resource material on potential opportunities, successful ventures, model programs, and related innovative techniques to research scientists who wish to become more involved in primary and secondary science education.*

(a) Solicit involvement of individuals and groups as resource scientists and speakers.

(b) Identify successful ideas and activities for involvement of research scientists, individually and collectively, in improvement of precollege science education. Prepare synoptic outlines on techniques, logistics, resource persons, costs of such innovative programs.

(c) Collate and disseminate information on resources available to scientists who become involved with science education at the local level.

(d) Develop a manual on or a list of ideas related to:

- specific activities, e.g., "adopt a school," participation in the National Diffusion Network, conducting tours, providing extracurricular opportunities to students, raising awareness of the public in regard to science, etc.

- enlisting support from, and cooperative efforts with, professional, scientific, and technical organizations, industry, and academic institutions such as the PRIS^{2}M program in Rochester, New York, which provides opportunities to make resources of Rochester industry community available to secondary school teachers and students

- involving science teachers and/or students in research activities by means of employment opportunities, for example, many companies (General Motors, General Electric, Vitro Laboratories, IBM, etc.) and several agencies (National Institutes of Health, National Aeronautics and Space Administration) have special programs for summer employment in research laboratories.

C. EXAMPLES OF INNOVATIVE APPROACHES

The following programs and activities were identified by the FASEB Education Committee Task Force on Precollege Science Education as innovative approaches for improving science education. These examples are representative rather than all inclusive. They share several attributes which may be factors in their success. First, they represent responses of universities, research departments, or individuals to specific requests or needs of secondary school science teachers or administrators. Secondly, they are focused on, directed at, or designed to fit into, the secondary science education environment or curriculum. Thirdly, and perhaps most importantly, they all involve individual contact of scientists with teachers and students.

1. As a participant in the Minority Access to Research Careers (MARC) program, the Federation has a roster of several hundred biologists and medical specialists who make time available for 2- to 5-day visits to various institutions to engage in teaching, lecturing to, and discussions with, faculty and students. The program is supported by the National Institute of General Medical Sciences. For further information, see Appendix V-A or contact R.W. Krauss (see Appendix V-C).

2. The School of Agricultural and Life Sciences at North Carolina State University has a speakers' bureau that utilizes faculty from many departments and disciplines. These scientists are available to high school science teachers throughout the state as visiting scientists and resource persons. Considerable success has been achieved with smaller high schools which are geographically separated from institutions of higher learning throughout the state. For additional information, contact E.C. Theil (see Appendix V-C).

[Note: Examples #1 and #2 are the models for the Speakers' Bureau developed in Appendix V-B.]

3. In several urban areas (New York City; Houston, Texas; Durham, North Carolina) special high schools for gifted students provide enriched science and mathematics curricula. In a number of states, residential high schools exist or are being organized to provide special curricula for superior students. These special learning environments typically make use of local university, college, and industry scientists and investigators as advisors, faculty, guest lecturers, and resource persons.

4. The Biological Sciences Division of the University of Florida assigned one faculty member to visit high schools throughout the state to discuss the University science programs and opportunities with advisors, teachers, and senior students. The faculty member devoted 50% of his time to this assignment and also spoke to student assemblies and arranged for superior students to work as junior scientists with staff of various departments. As a measure of success of this effort, the number of National Merit Scholarship students enrolling in science curricula at the University of Florida increased from one to 52 in one year. For further information, contact G.K. Davis (see Appendix V-C).

5. The American Physiological Society (APS) utilizes its publication, The Physiologist, to present a regular series of laboratory exercises and teaching modules for undergraduate college biology and physiology courses. These materials are widely used to supplement laboratory experience for undergraduate students and are, in part, adaptable to advanced biology courses at the high school level. For additional information, contact O.R. Reynolds, Executive Secretary/Treasurer, APS, 9650 Rockville Pike, Bethesda, Maryland 20814.

6. The APS also administers a development program for minority institutions. The program involves funding for laboratory equipment, visiting professors, summer and part-time research appointments, and scholarships for superior students. The program utilizes APS members at universities and colleges as resource persons for collaborative efforts with minority institutions. The program is supported by private funds administered by APS. For further information, contact O.R. Reynolds, Executive Secretary/Treasurer, APS, 9650 Rockville Pike, Bethesda, Maryland 20814 or J.A. Spitzer (see Appendix V-C).

7. The University of California at Davis, Department of Pharmacology, initiated courses on drug abuse to satisfy a projected state requirement for accreditation of secondary school teachers. These courses included an introduction to human biology with special emphasis on pharmacologic problems. One course was directed toward nonscience majors; the other, to candidates with science

backgrounds. Since introduction of the program in 1972, a number of secondary school teachers have contacted faculty of the Department of Pharmacology and have received assistance in preparing teaching modules that focus on human biology with special emphasis on pharmacologic problems. Contact K.F. Killam for further information (see Appendix V-C).

8. The University of Maryland School of Medicine sponsors a comprehensive Career Days open house. These one-day programs, arranged on a day convenient for high school teachers, include laboratory tours, lectures, luncheon, and opportunities for individual discussions. For further information, contact B.F. Trump (see Appendix V-C).

9. A similar program emphasizing career opportunities has been sponsored by the University of Michigan. Research biologists and other faculty present organized 2- to 3-day programs at high schools throughout the state. Opportunities for discussion with students and science teachers are an important component of the program. Contact R.L. Malvin for further information (see Appendix V-C).

10. Based on individual contacts initiated primarily within parent-teacher associations, many research scientists provide surplus scientific books, journals, and trade information to secondary school science teachers. Types of materials most frequently mentioned include issues of Science, Nature, Scientific American, Science 83, The American Scientist, BioScience, specialty journals, and review copies of textbooks.

11. A unique program for presenting science to elementary school children has been organized by R.R. Nash, a retired physicist. The program, "Adventure in Science," is now in its 10th year and is supported by local industry, civic clubs, and federal government laboratories. Fifty scientists and technical experts provide demonstrations and lectures, guide field trips, and sponsor tours. The program is extracurricular, conducted outside the normal school environment, and entirely voluntary. The Electronic Industries Association is developing materials on the program for distribution to its 400 member companies. While the major focus of "Adventure in Science" is physical science, the concept is equally applicable to biological science and mathematics. Information on the program was published in the Gaithersburg Gazette, February 2, 1983. For a copy of the news article, contact the newspaper or K.D. Fisher (see Appendix V-C).

III. CONCLUSIONS AND RECOMMENDATIONS

A. GENERAL CONCLUSIONS

The need to strengthen precollege science and mathematics education in this country is acknowledged nationally. Historically, improvements in public and private education have been associated with, and sustained by, strong public or private support within individual communities. Thus, efforts to strengthen precollege science and mathematics education will require the sustained interest of many persons within each community. Federal and state agencies will assume greater responsibilities for providing resources to support local efforts and to maintain reasonable distribution of public funds throughout jurisdictions. National scientific, mathematical, and engineering associations and societies can play an expanded role in communicating needs of the education community to their members, facilitating the channeling of ideas and information from their members to science and mathematics educators, and providing their expertise and resources to interested groups and persons in the local communities. Further, national scientific, mathematical, and engineering societies should maximize efficient use of available resources, minimize duplication of programs and services, and cooperate among themselves in making available those resources, programs, ideas, and assistance that the education community needs. Where possible, cooperative and collaborative efforts among these organizations should be encouraged and supported in order that local strategies reflect a balanced approach to improvement of precollege science and mathematics education.

In this regard, scientific, mathematical, and engineering societies have expertise and resources that should be focused on enhanced involvement of research scientists in implementing innovative science and mathematics education programs. The Task Force has identified a number of broadly applicable programs, initiatives, and activities which are listed in the body of the report (see p.5-12).

B. RECOMMENDATIONS TO THE FEDERATION

The Task Force concludes that the Federation should have a long range program in support of improved precollege science and mathematics education. The Federation should expand its efforts to make constituent Society members aware of the needs of the precollege science and mathematics education community and cognizant of opportunities to tend their expertise in biology and related disciplines to local initiatives. Similarly, the Federation should cooperate and collaborate with other national associations in developing a multifaceted but balanced approach to improvement of precollege education in science and mathematics. That is, efforts to enhance education in mathematics, biology, chemistry, physics, and engineering technologies must be balanced and mutually supportive.

Specifically, the Task Force recommends that:

(A) The FASEB Education Committee play a central role in activities or programs of the Federation. Education committees of the several constituent societies that have similar responsibilities within the disciplinary areas and have activities associated with precollege science education should be involved with, and resources for, the FASEB Education Committee.

(B) The FASEB Education Committee cooperate and collaborate with education committees, offices, and efforts of other national scientific associations and societies in encouraging and supporting local strategies that reflect a balanced approach to improvement of precollege science and mathematics education.

Finally, the activities of the Task Force have shown that members of the constituent Societies have an appreciation of the need for greater involvement and have an interest in applying their expertise as biologists and research investigators to strengthening precollege science education. Thus, the Task Force recommends that the Federation seek support for and undertake within the next six months, the following three tasks:

(A) Efforts of the FASEB Education Committee should be oriented to those activities and programs that are considered useful and helpful by those professionals who have primary responsibility for precollege science education. Therefore, the FASEB Education Committee should consider an ad hoc meeting with a small representative group of middle and senior high school teachers, particularly those responsible for upper level science courses, to:

(1) determine what specific activities, involvement, or programmatic assistance the Federation and its scientists might provide that are considered optimally useful and worthy.

(2) solicit comments on the draft report of the Task Force in regard to specific ways in which research scientists might provide assistance to science teachers.

Such a meeting would provide the Education Committee with a better perspective of the specific opportunities for biologists and research investigators to focus on efforts that are desired. Further, this meeting and the report would serve as a model for other scientific organizations. A two day meeting at Federation headquarters and a widely disseminated synoptic report of the meetings' discussions would meet these goals. This activity could be accomplished in four to six months.

(B) *In conjunction with the effort to obtain opinions and recommendations of science teachers, it would be useful to contact scientists who are contributing to successful programs in improving biological science teaching at the local level. To date several individuals who are involved with local school boards, enrichment programs, the National Diffusion Network, and university and college research and training opportunities have been identified.*

Telephone conference meetings between these persons and FASEB Education Committee members would broaden the perspective on what programs and activities are both accepted and successful. These persons represent a resource useful to other possible FASEB Education Committee activities. This activity could be initiated immediately and an interim report prepared within three months. Additionally, during this period, a mechanism for continued updating and information gathering could be generated.

(C) *Efforts of the FASEB Education Committee should be focused on coordination and cooperation with other scientific organizations and concomitantly should involve a major effort to communicate aspects of the attendant issues, programs, and opportunities underway and being developed as well as related information to members of the Federated Societies. This communication effort would be best met by establishing and funding a staff position to undergird efforts of the FASEB Education Committee. The individual with expertise and experience in science communication would have responsibilities to mount an information gathering and distribution effort under the aegis of the FASEB Education Committee. Society and Federation journals and newsletters are logical modes of communication with the memberships. A trial period of one year is suggested, after which the Federation Board would evaluate progress and contributions of this activity.*

IV. LITERATURE CITED

1. Commission on Precollege Education in Mathematics, Science, and Technology. 1982. "Today's Problems: Tomorrow's Crises." (An October 1982 report of the National Science Board's Commission on Precollege Education in Mathematics, Science, and Technology. The first of a series of formal reports to the NSB/NSF by the Commission).

2. Hurd, Paul DeHart. 1982. Problems and Issues in Precollege Science Education in the United States. Paper presented July 9 to the National Science Board Commission on Precollege Education in Mathematics, Science, and Technology.

3. National Academy of Sciences. 1982. "Science and Mathematics in the Schools: Report of a Convocation." (Synopsis of a May 1982 meeting sponsored by the NAS and NAE to consider the status of precollege science education).

4. National Science Foundation and U.S. Department of Education. 1980. "Science and Engineering Education for the 1980's and Beyond." (The report documents the decline in understanding of science and technology among secondary school students).

NOTICE

In the original printing, this report contained the 1983 roster of Visiting Scientists for Minority Institutions. Inasmuch as this listing is not current, this reprinting of the report contains the 1985 roster of Visiting Scientists for Minority Institutions.

THE

FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY

PRESENTS

VISITING SCIENTISTS FOR MINORITY INSTITUTIONS

A PROGRAM FUNDED BY NIGMS, NIH,

THROUGH THE MINORITY ACCESS TO RESEARCH CAREERS (MARC) PROGRAMS,

DESIGNED TO BRING ETHNIC MINORITIES INTO THE MAINSTREAM OF AMERICAN SCIENCE

VISITING SCIENTISTS FOR MINORITY INSTITUTIONS

The Federation of American Societies for Experimental Biology (FASEB) invites academic institutions whose enrollments are predominantly drawn from ethnic minorities to participate in a new program designed to increase the number of well-trained minority scientists in the biomedical disciplines.

This program is funded by the National Institute of General Medical Science (NIGMS), National Institutes of Health, as a part of the Minority Access to Research Careers (MARC) program. The Visiting Scientist program is intended to give minority institutions an opportunity to strengthen their research and teaching capabilities by drawing upon the talents of outstanding scientists from other institutions.

A committee representing the constituent societies of FASEB has established a roster of individuals willing to serve as Visiting Scientists. Brief biographical data and lecture topics are included. These scientists, available for visits throughout 1985 and spring of 1986, will be able to spend from two to five days at various institutions to engage in teaching, lecturing and discussions with faculty and students. Every effort will be made to motivate students towards careers in scientific research and to establish channels of communication between the institution providing the visiting scientist and the host institution. Travel, subsistence and consulting fees for the Visiting Scientist will be provided by the program.

APPLICATIONS

Institutions wishing to apply for a Visiting Scientist should examine their science programs, identify their particular needs or concerns, and select from the roster that scientist whose discipline could best serve their needs. A statement indicating how the applying institution would benefit from receiving a Visiting Scientist, a tentative plan for achieving this benefit, and a copy of the institution's catalog should accompany the application. There are two application forms provided in the back of this roster.

Applications signed by an appropriate official (e.g., Chancellor, President, Dean) should be submitted promptly in order to be processed within the funding period. To avoid a situation in which the same scientist is requested by more than one institution, it is suggested that the application include the names of more than one lecturer.

SELECTION

Applications will be reviewed by a committee of the member societies of the Federation. Approximately 75 final selections will be based on such considerations as the need of the applying institution, suitable matching of the Visiting Scientist and the institution based on that need, the plan for utilizing the visiting scientist and the total number of applications. Federation staff will notify scientists and institutions to arrange logistics for the visit within a month from the receipt of the application.

The Federation of American Societies for Experimental Biology (familiarly known as the Federation or FASEB) was formed in 1913 by the American Physiological Society (APS), founded 1887; the American Society of Biological Chemists (ASBC), founded 1906; and the American Society for Pharmacology and Experimental Therapeutics (ASPET), founded in 1908. The American Association of Pathologists (AAP), founded 1913, joined the Federation in 1914; the American Institute of Nutrition (AIN), founded 1928, in 1940; and the American Association of Immunologists (AAI), founded 1913, in 1942. In 1983 The American Society for Cell Biology (ASCB) joined the Federation as an Affiliate Member.

This roster lists the names, affiliation, and lecture topics of the 504 scientists who have applied and been approved to participate in the program. The scientists are listed alphabetically by their society affiliation.

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ROSTER OF VISITING SCIENTISTS

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
AMERICAN PHYSIOLOGICAL SOCIETY				
AKERS, THOMAS K. BS DE PAUL UNIVERSITY 1956 PHD LOYOLA UNIVERSITY 1961	PROFESSOR DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE UNIVERSITY OF NORTH DAKOTA		HYPERBARIC PHYSIOLOGY OXYGEN TOXICITY ON LUNG	OPEN
ALLEN, GARY I. BS CORNELL UNIVERSITY 1965 PHD SUNY/BUFFALO 1969	DEPARTMENT OF PHYSIOLOGY NEW YORK MEDICAL COLLEGE		BRAIN SYSTEMS IN INITIATION AND CONTROL OF MOVEMENT	OPEN
AMEND, JAMES F. BS PACIFIC LUTHERAN 1965 PHD BAYLOR COL OF MEDICINE 1969 DVM WASHINGTON STATE UNIV 1977	DEPT OF VETERINARY SCIENCE UNIVERSITY OF NEBRASKA		AUTONOMIC NERVOUS SYSTEM PHYSIOLOGY; CARDIOVASCULAR PHYSIOLOGY, EXPERIMENTAL SURGERY & RESEARCH USE OF LARGER DOMESTIC SPECIES	OPEN
ANAND, RAJEN S. BS MEERUT UNIVERSITY 1956 PHD UNIV OF CALIFORNIA/DAVIS 1969 DVM UNIV OF CALIFORNIA/DAVIS 1969	DEPT ANATOMY AND PHYSIOLOGY CALIFORNIA STATE UNIVERSITY		HUMAN PHYSIOLOGY ENERGY METABOLISM IN THE MAMMALIAN FETUS, PATHOPHYSIOLOGY	OPEN
ANDERSON, JOHN B. - SEE AMERICAN INSTITUTE OF NUTRITION				
ANNAU, ZOLTAN BA CARLETON UNIV/OTTAWA 1958 PHD MCMASTER UNIV/ONTARIO 1964	PROFESSOR ENVIRONMENTAL HEALTH SCI DEPT THE JOHNS HOPKINS UNIVERSITY		THE EFFECTS OF ENVIRONMENTAL AGENTS ON BIOLOGICAL SYSTEMS AND BEHAVIOR	OPEN
ARONSON, PETER S. BA UNIVERSITY OF ROCHESTER 1967 MD NEW YORK UNIVERSITY 1970	ASSOCIATE PROFESSOR DEPT MEDICINE AND PHYSIOLOGY YALE SCHOOL OF MEDICINE	MARC VISITING SCIENTIST, 1983-84	RENAL PHYSIOLOGY; PRINCIPLES OF MEMBRANE TRANSPORT; CLINICAL NEPHROLOGY; RENAL PATHO-PHYSIOLOGY	OPEN
ASTERITA, MARY F. BS MARYMOUNT COLLEGE 1961 PHD CORNELL UNIVERSITY 1973	ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE INDIANA UNIVERSITY		STRESS MANAGEMENT; ENDOCRINE PHYSIOLOGY; RENAL PHYSIOLOGY; TRANSPLANT PHYSIOLOGY; PHYSIOLOGY OF STRESS	OPEN
BACHRACH, ARTHUR J. BS CCNY 1947 PHD UNIVERSITY OF VIRGINIA 1952	DIRECTOR ENVIRONMENTAL STRESS PRG CENTER NAVAL MEDICAL RESEARCH INSTITUTE		PRINCIPLE OF SCIENTIFIC WRITING; FUNDAMENTALS OF RESEARCH METHODOLOGY; STRESS AND STRESS CONTROL; UNDERWATER TOPICS	OPEN
BARNES, CHARLES D. BS MONTANA STATE UNIVERSITY 1958 PHD UNIVERSITY OF IOWA 1962	PROFESSOR AND CHAIRMAN DEPT VET & COMPARATIVE ANATOMY, PHARMACOLOGY AND PHYSIOLOGY COLLEGE OF VETERINARY MEDICINE WASHINGTON STATE UNIVERSITY	VISITING PROFESSOR	NEUROPHYSIOLOGY: MOTOR SYSTEMS, SPINAL REFLEXES, BRAINSTEM, BASAL GANGLIA & CEREBELLUM	OPEN
BASS, DAVID E. AB BROWN UNIVERSITY 1932 PHD BOSTON UNIVERSITY 1953	VISITING PROFESSOR DEPARTMENT OF BIOLOGY UNIVERSITY OF NEVADA		HUMAN PHYSIOLOGY; ENVIRONMENTAL AND WORK PHYSIOLOGY	OPEN
BEALL, PAULA T. BS RICE UNIVERSITY 1968 PHD UNIVERSITY OF TEXAS 1976	ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY BAYLOR COLLEGE OF MEDICINE UNIVERSITY OF TEXAS	MARC NATIONAL REVIEW COMMITTEE, MARC VISITING SCIENTIST, 1981-82, 1982-83	BIOLOGICAL WATER; CONTROVERSIAL VIEWS OF THE LIVING CELL; WHOLE BODY NMR IMAGING	OPEN
BECKETT, SIDNEY D. BS MISSISSIPPI STATE UNIV 1953 DVM AUBURN UNIVERSITY 1959 PHD UNIVERSITY OF MISSOURI 1966	PROFESSOR DEPARTMENT OF PHYSIOLOGY AUBURN UNIVERSITY		VASCULAR ASPECTS OF MALE REPRODUCTION	OPEN
BELL, PHILLIP DARWIN BS MILLSAPS COLLEGE 1974 PHD UNIV OF ALA/BIRMINGHAM 1980	ASSISTANT PROFESSOR DEPT OF PHYSIOLOGY UNIVERSITY OF ALABAMA/BIRMINGHAM		GENERAL ASPECTS OF RENAL PHYSIOLOGY	OPEN
BEYENBACH, KLAUS W. BS ST MARY'S UNIVERSITY 1968 PHD WASHINGTON STATE UNIV 1974	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY CORNELL UNIVERSITY	TUTOR, MINORITY STUDENTS	PHYSIOLOGY OF THE KIDNEY; OSMOTIC AND IONIC REGULATION IN ANIMALS	OPEN
BIRKHAHN, RONALD H. BA CORNELL COLLEGE/IOWA 1962 PHD PURDUE UNIVERSITY 1967	ASSOCIATE PROFESSOR DEPARTMENT OF SURGERY MEDICAL COLLEGE OF OHIO	TUTOR, EDUCATIONAL OPPORTUNITIES PROGRAM	METABOLIC RESPONSE TO TRAUMA; NEW CONCEPTS IN PARENTERAL NUTRITION	OPEN
BRAUTBAR, NACHMAN MD HADASSAH HEBREW UNIV 1968	ASSOCIATE PROF MEDICINE AND PHARMACOLOGY DEPARTMENT OF MEDICINE UNIV OF SOUTHERN CALIFORNIA	MARC VISITING SCIENTIST, 1983-84	MAGNESIUM HOMEOSTASIS; PHOSPHATE HOMEOSTASIS; CALCIUM AND VITAMIN D	OPEN
BRECHER, GERHARD A. MA DUKE UNIVERSITY 1930 PHD HAMBURG 1932 MD UNIVERSITY OF KIEL 1937	DISTINGUISHED PROFESSOR DEPARTMENT OF PHYSIOLOGY UNIVERSITY OF OKLAHOMA		CARDIOVASCULAR PHYSIOLOGY	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
BRITTON, STEVEN L. BS BALL STATE UNIVERSITY 1970 PHD TEXAS TECH 1978	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY MEDICAL COLLEGE OF OHIO		REGULATION OF BLOOD PRESSURE IN NORMAL AND HYPERTENSIVE EXPERIMENTAL ANIMALS	OPEN
BRONNER, FELIX - SEE AMERICAN INSTITUTE OF NUTRITION				
BURICH, RAYMOND L. BS KENT STATE UNIVERSTY 1965 PHD MICHIGAN STATE UNIV 1970	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY SCHOOL OF DENTISTRY UNIVERSITY OF MISSOURI		ORAL NEUROMUSCULAR PHYSIOLOGY	OPEN
BUTLER, BRUCE BA UNIVERSITY OF TEXAS 1975 PHD UNIVERSITY OF TEXAS 1980 MEDICAL BRANCH	ASSISTANT PROFESSOR DEPT OF ANESTHESIOLOGY UNIV TEXAS MED SCHOOL/HOUSTON HEALTH SCIENCE CENTER		LUNG INJURY; RESPIRATORY PHYSIOLOGY; CARDIOVASCULAR PHYSIOLOGY	OPEN
CHAN, SAMUEL H.H. BS UNIVERSITY OF HONG KONG 1968 PHD INDIANA UNIVERSTY 1971	PROFESSOR DEPARTMENT OF PHYSIOLOGY INDIANA STATE UNIVERSITY	VISITING PROFESSOR	CENTRAL REGULATION OF PAIN & BLOOD PRESSURE & THEIR INTERRELATIONSHIP	OPEN
CHAN, YUN L. BS KAOHSIUNG MEDICAL COL 1965 PHD UNIVERISTY OF LOUISVILLE 1971	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY MEDICAL CENTER UNIVERSITY OF ILLINOIS	MINORITY TUTORING PROGRAM	RENAL PHYSIOLOGY	OPEN
CHAPMAN, LLOYD W. BA UCLA 1961 PHD UNIV SOUTHERN CALIFORNIA 1971	ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY COLLEGE OF OSTEOPATHIC MEDICINE OF THE PACIFIC	MARC VISITING SCIENTIST, 1982-83	CARDIOVASCULAR, RESPIRATORY & RENAL PHYSIOLOGY	OPEN
CHAUDHURI, TAPAN BS UNIVERSITY OF CALCUTTA 1961 MD UNIVERSITY OF CALCUTTA 1966	PROFESSOR AND CHIEF DEPARTMENT OF NUCLEAR MEDICINE EASTERN VIRGINIA MEDICAL SCHOOL VA MEDICAL CENTER	LOCAL MINORITY INSTITUTION LECTURER	NUCLEAR MEDICINE AND ONCOLOGY: BRAIN DISEASE, BONE DISEASE, LUNG DISEASE, VASCULAR AND GASTROINTESTINAL DISEASES	OPEN
CHEW, CATHERINE S. BS ARMSTRONG STATE 1970 PHD EMORY UNIVERSITY 1977	ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY MOREHOUSE SCHOOL OF MEDICINE	PORTER FOUNDATION LECTURER AT SPELMAN COLLEGE, 1979-PRESENT; MARC VISITING SCIENTIST, 1983-84	GASTROINTESTINAL PHYSIOLOGY	OPEN
CHOWDHURY, PARIMAL BS DACCA UNIV/BANGLADESH 1960 MS DACCA UNIV/BANGLADESH 1962 PHD MCGILL UNIV/MONTREAL 1970	ASSISTANT PROFESSOR DEPT PHYSIOLOGY AND BIOPHYSICS UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCE		MECHANISMS OF CADMIUM-INDUCED LUNG INJURY; ENDOCRINOLOGIC STUDIES OF CADMIUM AND NICOTINE ON GASTROINTESTINAL TRACT	EXCEPT JAN AND MAY
COBURN, RONALD F. BS UNIVERSITY OF MICHIGAN 1953 MD NORTHWESTERN UNIVERSITY 1957	PROFESSOR DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE UNIVERSITY OF PENNSYLVANIA		RESPIRATORY PHYSIOLOGY; SMOOTH MUSCLE PHYSIOLOGY, CARBON MONOXIDE TOXICITY	OPEN
COLE, B. THEODORE BS DUKE UNIVERSITY 1949 PHD DUKE UNIVERSITY 1954	PROFESSOR DEPARTMENT OF BIOLOGY UNIVERSITY OF SOUTH CAROLINA	MARC VISITING SCIENTIST, 1983-84	COMPARATIVE PHYSIOLOGY; MAMMALIAN RESPIRATION-HYPOXIA; PHYSIOLOGY OF FLIGHT; OSMOREGULATION	OPEN
COLEMAN, BERNELL BS ALCORN COLLEGE 1952 PHD LOYOLA UNIVERSITY 1964	PROFESSOR AND ACTING CHAIRMAN DEPT PHYSIOLOGY & BIOPHYSICS COLLEGE OF MEDICINE HOWARD UNIVERSTY	MARC VISITING SCIENTIST, 1982-83, 1983-84	CARDIOVASCULAR/RENAL FLUIDS & ELECTROLYTES	OPEN
COOKE, HELEN J. BS UNIV OF MASSACHUSETTS 1965 PHD AUSTRALIA 1971	ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY UNIVERSITY OF NEVADA		RENAL & GASTROINTESTINAL PHYSIOLOGY	OPEN
CORSON, SAMUEL A. BS NEW YORK UNIVERSITY 1930 PHD UNIVERSITY OF TEXAS 1942	PROFESSOR DEPARTMENT OF PSYCHIATRY OHIO STATE UNIVERSITY	MARC VISITING SCIENTIST, 1982-83, 1983-84	PSYCHOBIOLOGIC STUDIES, EMOTIONAL STRESS, DISTRESS	OPEN
CROPP, GERD J. BS UNIV OF WEST ONTARIO 1953 MD UNIV OF WEST ONTARIO 1958 PHD UNIV OF WEST ONTARIO 1965	PROFESSOR DEPARTMENT OF PEDIATRICS SUNY, BUFFALO		PHYSIOLOGICAL BASIS OF PULMONARY DISEASES IN CHILDREN	OPEN
DAS, DIPAK K. MS POLYTECH INST BROOKLYN 1974 PHD CALCUTTA UNIVERSITY 1977	ASSISTANT PROFESSOR DEPARTMENT OF SURGERY UNIVERSITY OF CONNECTICUT SCHOOL OF MEDICINE	VISITING PROFESSOR, 1982	FETAL LUNG MATURATION; THYROID HORMONE/ENDOCRINE FUNCTIONS IN LUNG; OXIDATIVE LUNG INJURY; SUPEROXIDE RADICALS IN MYOCARDIAL REPERFUSION INJURY	JAN - AUG NOV - DEC
DAVIS, ROBERT H. BS KING COLLEGE 1950 PHD RUTGERS UNIVERSITY 1958	PROFESSOR DEPARTMENT OF PHYSIOLOGY PENNSYLVANIA COLLEGE OF PODIATRIC MEDICINE		ARTHRITIS; ENDOCRINE RELATIONSHIPS; NUTRITIONAL CONCEPTS; CONTROL OF REPRODUCTION; INFLAMMATION RESEARCH	OPEN
DENTON, JOAN E. BS UNIV OF SAN FRANCISCO 1968 PHD UC/SANTA BARBARA 1979	ASSOC AIR POLLUTION SPECIALIST RESEARCH DIVISION CALIFORNIA AIR RESOURCES BOARD		CANCER RESEARCH AND CHEMOTHERAPY	OPEN
DI PASQUALE, GENE BS IONA COLLEGE 1964 PHD NEW YORK UNIVERSITY 1970	SECTION MANAGER I.C.I. AMERICAS WILMINGTON, DE		ARTHRITIS; DEVELOPMENT OF ANTI-ARTHRITIC DRUGS	OPEN
DUKELOW, W. RICHARD BS UNIVERSITY OF MINNESOTA 1957 PHD UNIVERSITY OF MINNESOTA 1962	PROFESSOR DEPARTMENT OF PHYSIOLOGY ENDOCRINE RESEARCH UNIT MICHIGAN STATE UNIVERSITY	MARC VISITING SCIENTIST, 1982-83	GRADUATE TRAINING /DEVELOPING RESEARCH PROGRAMS; NONHUMAN PRIMATES IN BIOMED RESEARCH; IN VITRO FERTILIZATION IN HUMAN AND NONHUMAN PRIMATES	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
EDERSTROM, HELGE E. BS BELOIT COLLEGE 1937 PHD NORTHWESTERN 1941	PROFESSOR DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE UNIVERSITY OF NORTH DAKOTA		CARDIOVASCULAR SHOCK; TEMPERATURE REGULATION; ART, SCIENCE & MEDICINE	OPEN
EMERSON, GERALDINE M. BA UNIVERSITY OF MIAMI 1949 PHD UNIVERSITY OF ALABAMA 1960	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMISTRY CENTER FOR AGING UNIVERSITY OF ALABAMA/BIRMINGHAM	ORIENTATION PROGRAM INCOMING STUDENTS; MARC VISITING SCIENTIST, 1982-83, 1983-84	THEORIES OF AGING; INTERMEDIARY METABOLISM-CONTROLS; ALZHEIMER'S DISEASE	OPEN
EMERSON, THOMAS E. BS UNIVERSITY OF OKLAHOMA 1958 PHD UNIVERSITY OF OKLAHOMA 1964	PROFESSOR DEPARTMENT OF PHYSIOLOGY MICHIGAN STATE UNIVERSITY		CARDIOVASCULAR AND METABOLIC ABNORMALITIES IN SEPSIS AND SEPTIC SHOCK; CIRCULATORY SHOCK; CARDIOVASCULAR PHYSIOLOGY	OPEN
ENGEN, RICHARD L. BS IOWA STATE UNIVERSITY 1954 PHD IOWA STATE UNIVERSITY 1966	PROFESSOR DEPARTMENT OF PHYSIOLOGY COLLEGE OF VETERINARY MEDICINE IOWA STATE UNIVERSITY		CARDIOPULMONARY VASCULAR PHYSIOLOGY	OPEN
EVANS, DAVID H. AB DE PAUW UNIVERSITY 1962 PHD STANFORD UNIVERSITY 1967	PROFESSOR AND CHAIRMAN DEPARTMENT OF ZOOLOGY UNIVERSITY OF FLORIDA		COMPARATIVE PHYSIOLOGY; OSMOREGULATION; ENDOCRINOLOGY; KIDNEY PHYSIOLOGY	OPEN
FALVO, RICHARD E. BS DUQUESNE UNIVERSITY 1964 PHD UNIVERSITY OF WYOMING 1970	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE SOUTHERN ILLINOIS UNIVERSITY	WORKSHOP LEADER	NEUROENDOCRINE CONTROL OF REPRODUCTION; SEXUAL DEVELOPMENT	OPEN
FARNER, DONALD S. BS HAMLINE UNIVERSITY 1937 PHD UNIVERSITY OF WISCONSIN 1941	PROFESSOR OF ZOOPHYSIOLOGY DEPARTMENT OF ZOOLOGY UNIVERSITY OF WASHINGTON	LECTURER, OPPORTUNITIES FOR GRADUATE STUDIES	ENVIRONMENTAL CONTROL OF REPRODUCTION	OPEN
FARNSWORTH, WELLS E. BS TRINITY COLLEGE 1946 PHD UNIVERSITY OF MISSOURI 1961	PROFESSOR AND CHAIRMAN DEPARTMENT OF BIOCHEMISTRY CHICAGO COLLEGE OF OSTEOPATHIC MEDICINE		REGULATION OF SALT AND WATER; SODIUM PUMP-PACEMAKER OF THE CELL	OPEN
FEIGEN, LARRY P. BA NORTHEASTERN UNIVERSITY 1964 PHD CHICAGO MEDICAL SCHOOL 1974	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY TULANE MEDICAL SCHOOL	MED REP PROGRAM; MINORITY HYPERTENSION PROGRAM	CARDIOVASCULAR PHYSIOLOGY; PROSTAGLANDINS AS HEMODYNAMIC REGULATORS; LEUKOTRIENES IN THE PERIPHERAL CIRCULATION	OPEN
FERGUSON, EARL W. BA BAYLOR UNIVERSITY 1965 MD UNIV OF TEXAS MED BR 1970 PHD UNIV OF TEXAS MED BR 1970	ASSOCIATE PROFESSOR DEPT OF PHYSIOLOGY & MEDICINE SCHOOL OF MEDICINE UNIFORMED SERVICES UNIVERSITY OF HEALTH SCIENCES		EXERCISE PHYSIOLOGY; BLOOD COAGULATION; FIBRINOLYSIS; ADVANCED CARDIAC LIFE SUPPORT; CARDIOVASCULAR PHYSIOLOGY	OPEN
FERGUSON, J. HOMER BS SUL ROSS STATE UNIV 1958 PHD UNIVERSITY OF ARIZONA 1964	PROFESSOR OF ZOOLOGY DEPARTMENT OF BIOLOGICAL SCIENCE UNIVERSITY OF IDAHO		SURVIVAL OF ANIMALS IN COLD; BIOLOGY OF ARCTIC MAMMALS; ENVIRONMENTAL CONDITIONS AND COLD RESISTANCE; TEMPERATURE REGULATION IN MAMMALS	OPEN
FLORANT, GREGORY L. BS CORNELL UNIVERSITY 1973 PHD STANFORD UNIVERSITY 1978	ASSISTANT PROFESSOR DEPARTMENT OF BIOLOGY SWARTHMORE COLLEGE		NEUROENDOCRINOLOGY; TEMPERATURE REGULATION; HIBERNATION	OPEN
FORD, J. JOE BS IOWA STATE UNIVERSITY 1966 PHD IOWA STATE UNIVERSITY 1972	RESEARCH LEADER REPRODUCTION RESEARCH UNIT US MEAT ANIMAL RESEARCH CENTER		COMPARATIVE ASPECTS OF SEXUAL DIFFERENTIATION IN MAMMALS	OPEN
FRAY, JOHN C. S. BS HOWARD UNIVERSITY 1970 MS MIT 1971 PHD HARVARD UNIVERSITY 1975	UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL		CONTROL OF CIRCULATION IN GENERAL AND DURING HYPERTENSION IN PARTICULAR	OPEN
FREEMAN, MARC E. BS MORAVIAN COLLEGE 1965 PHD WEST VIRGINIA UNIVERSITY 1970	PROFESSOR DEPT OF BIOLOGICAL SCIENCE FLORIDA STATE UNIVERSITY	SIMILAR PROGRAMS WITH THE ATLANTA UNIVERSITY SYSTEM	MAMMALIAN REPRODUCTION; REPRODUCTIVE ENDOCRINOLOGY; REPRODUCTIVE NEUROENDOCRINOLOGY	OPEN
FREY, MARY ANNE B. BA GEORGE WASHINGTON UNIV 1970 PHD GEORGE WASHINGTON UNIV 1975	DIRECTOR, BIOMEDICAL RES LABS THE BIONETICS CORPORATION KENNEDY SPACE CENTER	LECTURER/RECRUITER	EXERCISE AND CARDIOVASCULAR RISK FACTORS; AEROSPACE PHYSIOLOGY	OPEN
FRIED, GEORGE H. AB BROOKLYN COLLEGE 1947 PHD UNIVERSITY OF TENNESSEE 1962	PROFESSOR AND CHAIRMAN DEPARMENT OF BIOLOGY BROOKLYN COLLEGE CUNY	RECRUITMENT LECTURER; MARC VISITING SCIENTIST, 1983-84	COMPARATIVE PHYSIOLOGY; OBESITY; BIOLOGY AND SOCIETY	OPEN
GANONG, WILLIAM F. BA HARVARD UNIVERSITY 1945 MD HARVARD UNIVERSITY 1949	PROFESSOR AND CHAIRMAN DEPARTMENT OF PHYSIOLOGY UNIVERSITY OF CALIFORNIA SAN FRANCISCO	MARC VISITING SCIENTIST, 1981-82	NEUROENDOCRINOLOGY; ENDOCRINOLOGY; NEURAL SCIENCES RENIN-ANGIOTENSIN SYSTEM	OPEN
GATTO, LOUIS A. PHD FORDHAM UNIVERSITY 1978	ASSOCIATE PROFESSOR DEPARTMENT OF BIOLOGICAL SCIENCE SUNY	VISITING FACULTY-CHINA, SUNY EXCHANGE PROGRAM	MUCOCILIARY TRANSPORT IN MAMMALIAN RESPIRATORY AIRWAYS	OPEN
GAZIS, DIANA BS STANFORD UNIVERSITY 1966 PHD COLUMBIA UNIVERSITY 1976	ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS MOUNT SINAI SCHOOL OF MEDICINE	MT SINAI SETH PROGRAM	CARDIOVASCULAR AND RESPIRATORY PHYSIOLOGY; THYROID PHYSIOLOGY	OPEN
GOLDMAN, LAWRENCE BS TUFTS UNIVERSITY 1958 PHD UCLA 1964	PROFESSOR DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE UNIVERSITY OF MARYLAND		MEMBRANE BIOPHYSICS; NEUROMUSCULAR TRANSMISSION	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
GOLDMAN, MICHAEL D. AB HARVARD UNIVERSITY 1958 MD UNIV OF PENNSYLVANIA 1962 SCD HARVARD UNIVERSITY 1972	ASSOCIATE PROFESSOR DEPARTMENT OF MEDICINE PULMONARY DIVISION CLEVELAND VA MEDICAL CENTER		RESPIRATORY MUSCLE ACTIONS AND CONTROL	OPEN
GOLDMAN, RALPH F. AB DENVER 1949 PHD BOSTON UNIVERSITY 1955	SR VICE PRES & CHIEF SCIENTIST MULTI-TECH CORPORATION	VISITING LECTURER IN CHINA	HUMAN TOLERANCE TO WORK, HEAT & COLD; PHYSIOLOGICAL ANTHROPOLOGY; INDUSTRIAL ENGINEERING	OPEN
GONZALEZ, RICHARD R. BS UNIVERSITY OF TEXAS 1961 PHD UNIV CALIFORNIA/DAVIS 1970	ASSOCIATE PROFESSOR DEPARTMENT OF EPIDEMIOLOGY SCHOOL OF MEDICINE YALE UNIVERSITY		PHYSICAL FACTORS; ENVIRONMENT/ EXERCISE PHYSIOLOGY	OPEN
GOODMAN, DAVID B.P. AB HARVARD UNIVERSITY 1964 MD UNIV OF PENNSYLVANIA 1968 PHD UNIV OF PENNSYLVANIA 1972	PROFESSOR DEPT PATHOLOGY AND LAB MEDICINE MEDICAL SCHOOL UNIVERSITY OF PENNSYLVANIA	PARTICIPANT, MINORITY ACCESS PROGRAMS	HORMONE ACTION, INTESTINAL CALCIUM TRANSPORT; HORMONES AND SALT WATER BALANCE	OPEN
GOODRIDGE, ALAN G. BS TUFTS UNIVERSITY 1958 PHD UNIVERSITY OF MICHIGAN 1964	PROFESSOR DEPTS OF PHARMACOLOGY AND BIOCHEMISTRY CASE WESTERN RESERVE UNIVERSITY		REGULATION OF FATTY ACID BIOSYNTHESIS: PHYSIOLOGY, BIOCHEMISTRY MOLECULAR BIOLOGY; REGULATION OF SECRETION IN SEBACEOUS GLANDS	OPEN
GORDON, MALCOLM S. BA CORNELL UNIVERSITY 1954 PHD YALE UNIVERSITY 1958	PROFESSOR DEPARTMENT OF BIOLOGY UCLA	MARC VISITING SCIENTIST, 1983-84	ECOLOGICAL PHYSIOLOGY, COMPARATIVE PHYSIOLOGY; ORGANIC PHYSIOLOGY WITH EMPHASIS ON VERTEBRATES	OPEN
GOTTLIEB, SHELDON F. BA BROOKLYN COLLEGE 1953 PHD UNIVERSITY OF TEXAS 1959	PROFESSOR, DEAN GRADUATE SCHOOL UNIVERSITY OF SOUTH ALABAMA	RECRUITMENT	HYPERBARIC OXYGENATION-A NEW THERAPEUTIC MODALITY; WHAT IS GRADUATE EDUCATION? HOW TO SELECT A GRAD SCHOOL; OXYGEN-A BIOLOGICALLY PARADOXICAL ELEMENT	OPEN
GRAY, SARAH D. BA BARNARD COLLEGE 1956 PHD UC SAN FRANCISCO 1966	PROFESSOR DEPARTMENT OF HUMAN PHYSIOLOGY SCHOOL OF MEDICINE UNIVERSITY OF CALIFORNIA, DAVIS	LECTURER, MINORITY RESEARCH DEVELOPMENT PROGRAM; MARC VISITING SCIENTIST, 1981-82	ANATOMY/PHYSIOLOGY OF MICROCIRCULATION; EFFECTS OF HYPERTENSIVE PROCESS ON HEART AND BLOOD VESSELS	APR-DEC
GREENBERG, STAN BS LONG ISLAND UNIVERSITY 1968 PHD UNIVERSITY OF IOWA 1972	ASSOC PROF OF PHARMACOLOGY DEPT OF PHARMACOLOGY UNIVERSITY OF SOUTH ALABAMA		VASCULAR PHYSIOLOGY; RECEPTORS; AUTONOMICS; PROSTANOIDS; ANTI-HYPOTENSIVES	OPEN
GREENE, DAVID G. AB PRINCETON 1936 MD HARVARD MEDICAL SCHOOL 1940	PROFESSOR OF MEDICINE AND ASSOCIATE PROFESSOR PHYSIOLOGY STATE UNIVERSITY OF NEW YORK	VISITING SCIENTIST FOR AMERICAN PHYSIOLOGICAL SOCIETY	PREVENTION OF HEART DISEASE; CORONARY CIRCULATION; LONG TERM RESULTS OF CORONARY BYPASS SURGERY; RESPIRATION IN EGGS; PULMONARY EDEMA	OPEN
GROSS, DAVID R. BS COLORADO STATE UNIV 1958 DVM COLORADO STATE UNIV 1960 PHD OHIO STATE UNIV 1974	PROFESSOR DEPT OF PHYSIOL AND PHARMACOL COLLEGE OF VET MEDICINE TEXAS A&M UNIVERSITY	MINORIY RECRUITMENT	USE OF ANIMAL MODELS IN CARDIOVASCULAR RESEARCH; EFFECTS OF EXERCISE ON ATHEROSCLEROSIS; CAVITATION BIO-EFFECTS OF ULTRASONIC IRRADIATION	OPEN
GUNTER-SMITH, PAMELA J. BS SPELMAN COLLEGE 1973 PHD EMORY UNIVERSITY 1978	RESEARCH PHYSIOLOGIST DEPARTMENT OF PHYSIOLOGY ARMED FORCES RADIOBIOL RES INST	PORTER DEVELOPMENT CONSORTIUM, SPELMAN COLLEGE	GASTROINTESTINAL PHYSIOLOGY; MEMBRANE BIOPHYSICS; NEUROPHYSIOLOGY	OPEN
HALBERG, FRANZ MD 1943	PROFESSOR DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE UNIVERSITY OF MINNESOTA	VISITING PROFESSOR	CHRONOBIOLOGY (BIOLOGIC RHYTHMS) BASIC & APPLIED; COST-EFFECTIVE ASSESSMENT OF BLOOD PRESSURE EXCESS; CANCER PREVENTION & TREATMENT	OPEN
HAMLIN, ROBERT L. BS OHIO STATE UNIVERSITY 1956 DVM OHIO STATE UNIVERSITY 1958 PHD OHIO STATE UNIVERSITY 1962	PROFESSOR DEPARTMENT OF PHYSIOLOGY OHIO STATE UNIVERSITY	VISITING PROFESSOR; MARC VISITING SCIENTIST, 1982-83	CARDIOVASCULAR PHYSIOLOGY AND PHARMACOLOGY; VETERINARY CARDIOLOGY	OPEN
HAMOSH, PAUL MD HEBREW UNIVERSITY 1959	ASSOCIATE PROFESSOR DEPTS PHYSIOL AND BIOPHYSICS GEORGETOWN UNIV MEDICAL SCHOOL		RESPIRATORY PHYSIOLOGY	OPEN
HARMON, JOHN W. BA HARVARD UNIVERSITY 1965 MD COLUMBIA P&S 1969	CHIEF DEPT SURGICAL GASTROENTEROLOGY WALTER REED ARMY INSTITUTE OF RESEARCH		MEDICINE IN THE MILITARY; SURGERY FOR TRAUMA	OPEN
HEISEY, S. RICHARD BS ELIZABETHTOWN COLLEGE 1951 SCD JOHNS HOPKINS SCHOOL 1958 HYG & PUBLIC HEALTH	PROFESSOR DEPARTMENT OF PHYSIOLOGY MICHIGAN STATE UNIVERSITY	TEACHING IN SUMMER RESEARCH PROGRAM FOR MINORITY STUDENTS	RESPIRATORY CONTROL OF ACID-BASE BALANCE; PHYSIOLOGY OF CEREBROSPINAL FLUID; GAS EXCHANGE AND RESPIRATORY CONTROL	JAN - MAY SEPT - DEC
HEMPLING, H.G. AB NEW YORK UNIVERSITY 1948 PHD PRINCETON UNIVERSITY 1953	PROFESSOR AND CHAIRMAN DEPARTMENT OF PHYSIOLOGY MEDICAL UNIVERSITY OF SOUTH CAROLINA	MARC VISITING SCIENTIST, 1981-82	PHYSIOLOGY OF CELL, THE COMPUTER AND TEACHING; RECRUITING MINORITIES INTO ACADEMIA	OPEN
HOLLIS, THEODORE M. BA SAN JOSE STATE UNIV 1963 PHD OHIO STATE UNIVERSITY 1969	PROFESSOR DEPARTMENT OF BIOLOGY PENNSYLVANIA STATE UNIVERSITY	KUFA COLLEGE OF MEDICINE, IRAQ; MARC VISITING SCIENTIST, 1981-82	VASCULAR WALL BIOLOGY AND ATHEROGENESIS; VASCULAR COMPLICATIONS OF DIABETES AND HYPERTENSION	OPEN
HOLLOWAY, JAMES A. BA SAN JOSE STATE UNIV 1965 PHD UNIVERSITY OF CALIFORNIA 1971	PROFESSOR & CHAIRMAN DEPT PHYSIOLOGY & BIOPHYSICS HOWARD UNIVERSITY	MARC VISITING SCIENTIST, 1981-82, 1982-83, 1983-84	NEUROPHYSIOLOGY	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
HOOK, JERRY B. BS WASHINGTON STATE UNIV 1960 PHD UNIVERSITY OF IOWA 1966	VICE PRES, PRECLINICAL R & D SMITH KLINE & FRENCH LABS ADJUNCT PROFESSOR PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE	STUDENT ADVISOR/MINORITY RESEARCH DEVELOPMENT PROGRAM CHAIRMAN, SK&F R&D AA/EEO COMMITTEE; MARC VISITING SCIENTIST, 1983-84	RENAL PHYSIOLOGY/PHARMACOLOGY; DRUG TOXICOLOGY AND DRUG DEVELOPMENT	OPEN
HOROWITZ, JOHN BS UC BERKELEY 1961 PHD UC BERKELEY 1968	PROFESSOR DEPARTMENT OF ANIMAL PHYSIOLOGY UNIVERSITY OF CALIFORNIA, DAVIS		NEUROPHYSIOLOGY	OPEN
HOWLAND, HOWARD C. BS UNIVERSITY OF CHICAGO 1953 PHD CORNELL UNIVERSITY 1968	ASSOCIATE PROFESSOR SECTIONS OF PHYSIOLGY, NEURO- BIOLOGY & BEHAVIOR CORNELL UNIVERSITY	SITE VISITOR TO MINORITY INST; MARC VISITING SCIENTIST, 1983-84	FOCUSING OF HUMAN AND ANIMAL EYES: BASIC STUDIES AND IMPLICATIONS FOR CLINICAL PRACTICE	OPEN
HUANG, KEE C. MD SUN YAT SEN UNIVERSITY 1940 PHD COLUMBIA UNIVERSITY 1953	PROFESSOR HEALTH SCIENCE CENTER UNIVERSITY OF LOUISVILLE		RENAL/CARDIOVASCULAR PHARMACOLOGY/PHYSIOLOGY; PHARMACOKINETICS	OPEN
HUDGINS, PATRICIA M. - SEE AMERICAN SOCIETY FOR PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS				
IMBRUCE, RICHARD P. BS ST PETER'S COLLEGE 1963 PHD NEW YORK UNIVERSITY 1972	PRESIDENT-DATAMED, INC. NORWALK HOSPITAL		COMPUTERS IN CRITICAL CARE AND PULMONARY MEDICINE; VENTILATORS AND MODALITIES OF VENTILATION; MONITORING OF RESPIRATION	OPEN
ISAACSON, ROBERT L. BA UNIVERSITY OF MICHIGAN 1950 PHD UNIVERSITY OF MICHIGAN 1958	DISTINGUISHED PROFESSOR DEPARTMENT OF PSYCHOLOGY SUNY/BINGHAMTON		RECOVERY FROM BRAIN DAMAGE; NEUROPEPTIDES AND BEHAVIOR	OPEN
JOHNSON, MICHAEL D. BS WASHINGTON STATE UNIV 1970 PHD UNIVERSITY OF MICHIGAN 1976	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE WEST VIRGINIA UNIVERSITY		RENAL PHYSIOLOGY; CONTROL OF BODY FLUID VOLUME	OPEN
JOLLEY, WELDON B. BA BRIGHAM YOUNG UNIVERSITY 1952 PHD UNIV SOUTHERN CALIFORNIA 1958	PROFESSOR OF SURGERY PHYSIOLOGY AND BIOPHYSICS LOMA LINDA UNIVERSITY		BIOLOGICAL EFFECTS OF PULSED ELECTROMAGNETIC FIELDS	OPEN
KAPLAN, HAROLD M. AB DARTMOUTH 1930 PHD HARVARD UNIVERSITY 1933	PROFESSOR DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE SOUTHERN ILLINOIS UNIVERSITY	SIU MEDICAL SCHOOL MINORITY PROGRAM	HUMAN PHYSIOLOGY; MEDICAL PREPARATORY PROGRAMS	OPEN
KHAIRALLAH, PHILIP A. BS AMERICAN UNIV/LEBANON 1947 MD COLUMBIA UNIVERSITY 1951	HEAD DEPT OF CARDIOVASCULAR RES CLEVELAND CLINIC	VISITING SCIENTIST IN SAUDI ARABIA, IRAQ, SYRIA AND JORDAN	EXPERIMENTAL HYPERTENSION CARDIOVASCULAR PHARMACOLOGY	OPEN
KING, FREDERICK A. AB STANFORD UNIVERSITY 1953 PHD JOHNS HOPKINS UNIV 1956	DIRECTOR YERKES PRIMATE RESEARCH CENTER EMORY UNIVERSITY		BEHAVIORAL, NEURAL AND MEDICAL PRIMATOLOGY; PRIMATE AND OTHER ANIMAL MODELS OF HUMAN DISEASE AND BEHAVIORAL DISORDERS; BRAIN BEHAVIORAL RELATIONSHIPS	OPEN
KIRSCHNER, LEONARD B. BS UNIVERSITY OF ILLINOIS 1944 PHD UNIVERSITY OF WISCONSIN 1951	PROFESSOR DEPARTMENT OF ZOOLOGY WASHINGTON STATE UNIVERSITY		OSMOTIC-IONIC REGULATION; ION TRANSPORT MECHANISMS	OPEN
KLABUNDE, RICHARD E. BS PEPPERDINE UNIVERSITY 1970 PHD UNIVERSITY OF ARIZONA 1975	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY MEDICAL CENTER WEST VIRGINIA UNIVERSITY		MECHANISMS OF BLOOD FLOW REGULATION IN SKELETAL MUSCLE; PURINE NUCLEOSIDE METABOLISM IN BLOOD	OPEN
LANGLEY, LEE BA UCLA 1938 PHD YALE UNIVERSITY 1942	ASSOCIATE DEAN DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE UNIVERSITY OF MISSOURI KANSAS CITY		RENAL/CIRCULATORY PHYSIOLOGY	OPEN
LANGMAN, VAUGHAN A. BS COLORADO STATE UNIV 1969 PHD UNIVERSITY OF ALASKA 1978	DEPT OF BIOLOGICAL SCIENCES WELLESLEY COLLEGE		ADAPTATIONS TO AFRICAN ENVIRON- MENT; BEHAVIOR AND HEAT BALANCE IN THE LARGEST TERRESTRIAL NASAL COUNTER-CURRENT HEAT EXCHANGE	OPEN
LAROCHE, GILLES BS UNIVERSITY OF MONTREAL 1947 PHD UNIVERSITY OF WASHINGTON 1957	PROFESSOR INSTITUTE OF OCEANOGRAPHY MCGILL UNIVERSITY		BIOLOGICAL IMPACTS OF WATER POLLUTION; THYROID FUNCTION IN FISH; COMPARATIVE TOXICOLOGY; COMPARATIVE ENDOCRINOLOGY	OPEN
LAWLER, JAMES E. BA CORNELL COLLEGE 1957 PHD UNIV OF NORTH CAROLINA 1973	ASSOCIATE PROFESSOR DEPARTMENT OF PSYCHOLOGY UNIVERSITY OF TENNESSEE		STRESS INDUCED HYPERTENSION IN ANIMALS	OPEN
LEACH, JOHN K. BS BALDWIN-WALLACE COLLEGE 1943 MD ALBANY MEDICAL COLLEGE 1947	PROFESSOR OF MEDICINE DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE UNIVERSITY OF NEW MEXICO		CARDIAC MUSCLE MECHANICS; CARDIOVASCULAR HEMODYNAMICS	OPEN
LESSLER, MILTON A. BS CORNELL UNIVERSITY 1937 PHD NEW YORK UNIVERSITY 1950	PROFESSOR DEPARTMENT OF PHYSIOLOGY COLLEGE OF MEDICINE OHIO STATE UNIVERSITY	MARC VISITING SCIENTIST, 1981-82, 1983-84	EFFECTS OF LEAD, CADMIUM & MERCURY ON THE HEMOPOIETIC SYSTEM; EFFECTS OF ENVIRONMENTAL POLLUTANTS ON CELLULAR METABOLISM	OPEN
LI, JOHN K-J. BS UNIV MANCHESTER, ENGLAND 1972 PHD UNIV OF PENNSYLVANIA 1978	ASSOCIATE PROFESSOR BIOMED ENGINEERING/PHYSIOLOGY RUTGERS - STATE UNIV NEW JERSEY	MINORITY FACULTY DEVELOPMENT	CARDIOVASCULAR SYSTEM DYNAMICS; BIOMEDICAL ENGINEERING; PHYSIOLOGICAL MEASUREMENTS	OPEN

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LICHTMAN, MARSHALL A. AB CORNELL UNIVERSITY 1955 MD UNIVERSITY OF BUFFALO 1960	PROFESSOR DEPARTMENT OF MEDICINE MEDICAL CENTER UNIVERSITY OF ROCHESTER		HEMATOPOIESES, BLOOD CELL DISEASES	OPEN
LIEBESKIND, JOHN C. BA HARVARD UNIVERSITY 1957 PHD UNIVERSITY OF MICHIGAN 1962	PROFESSOR DEPARTMENT OF PSYCHOLOGY UCLA	MARC VISITING SCIENTIST, 1983-84	PSYCHOBIOLOGY OF PAIN AND PAIN INHIBITION WITH REFERENCE TO THE ROLE OF ENDORPHINS	OPEN
LIVINGSTON, ROBERT B. BA STANFORD UNIVERSITY 1940 MD STANFORD UNIVERSITY 1944	PROFESSOR DEPARTMENT OF NEUROSCIENCE UNIV OF CALIFORNIA/SAN DIEGO	MARC VISITING SCIENTIST, 1981-82	COMPUTER GRAPHICS APPLIED TO HUMAN BRAIN ORGANIZATION; FRONTIERS OF NEUROSCIENCE	OPEN
MALVIN, RICHARD L. BS MCGILL UNIVERSITY 1950 PHD UNIVERSITY OF CINCINNATI 1956	PROFESSOR DEPARTMENT OF PHYSIOLOGY UNIVERSITY OF MICHIGAN	MINORITY RECRUITMENT	COMPARATIVE PHYSIOLOGY; HISTORY OF MEDICINE; RENIN-ANGIOTENSIN SYSTEM; MEDICAL HUMBUG	OPEN
MANNING, JOHN W. BS LOYOLA UNIVERSITY 1951 PHD LOYOLA UNIVERSITY 1958	PROFESSOR DEPARTMENT OF PHYSIOLOGY EMORY UNIVERSITY	LECTURER, DEVELOPMENT PROGRAM	NEURAL CONTROL OF CIRCULATION; NEUROHORMONAL REGULATION OF THE CARDIOVASCULAR SYSTEM; RENIN-ANGIOTENSIN SYSTEM & HYPERTENSION	OPEN
MARTIN, LOREN G. AB INDIANA UNIVERSITY 1965 PHD INDIANA UNIVERSITY 1969	ASSOC PROFESSOR OF PHYSIOLOGY PRECLINICAL EDUCATION OKLAHOMA COL OF OSTEOPATHIC MEDICINE AND SURGERY	AFNA PROGRAM; OKLAHOMA TRIBAL ASSISTANCE PROGRAM	AGING, EFFECT SEX STEROIDS UPON MYOCARDIAL HYPOXIC RESISTANCE, ACCLIMATION TO HIGH ALTITUDE ENVIROMENT; THYROID FUNCTIONAL CHANGES IN HYPOXIC ENVIRONMENTS	OPEN
MARWAHA, JOE BS UNIVERSITY OF LONDON 1974 PHD UNIVERSITY OF ALBERTA 1977	ASSOCIATE PROFESSOR DEPARTMENTS OF PHARMACOLOGY, PHYSIOLOGY AND BIOPHYSICS INDIANA UNIVERSITY SCHOOL OF MEDICINE	GUEST LECTURER	NEUROPHARMACOLOGY; CNS NEUROPHYSIOLOGY; PSYCHOPHARMACOLOGY	OPEN
MCGRATH, JAMES BA HOFSTRA UNIVERSITY 1954 PHD INDIANA UNIVERSITY 1968	PROFESSOR DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE TEXAS TECH UNIVERSITY HEALTH SCIENCE CENTER	NASA LECTURER	ENVIRONMENTAL PHYSIOLOGY; AIR POLLUTION HEALTH EFFECTS, CARBON MONOXIDE; HIGH ALTITUDE	OPEN
MICHAELSON, SOL M. BS CCNY 1942 DVM MIDDLESEX UNIVERSITY 1946	PROFESSOR DEPARTMENT OF RADIATION BIOLOGY UNIVERSITY OF ROCHESTER	VISITING LECTURER	BIOELECTROMAGNETICS, PAST, PRESENT AND FUTURE	OPEN
MILLER, DONALD M. BA UNIVERSITY OF ILLINOIS 1960 PHD UNIVERSITY OF ILLINOIS 1965	PROFESSOR DEPARTMENT OF PHYSIOLOGY SOUTHERN ILLINOIS UNIVERSITY	MARC VISITING SCIENTIST, 1982-83	FISH TOXIN-CIGUATERA	OPEN
MOHLA, SURESH MSC UNIV OF DELHI/INDIA 1965 PHD UNIV OF DELHI/INDIA 1968	ASSOCIATE PROFESSOR DEPARTMENT OF ONCOLOGY HOWARD UNIVERSITY CANCER CENTER HOWARD UNIVERSITY COLLEGE OF MED		ENDOCRINOLOGY; STEROID HORMONES; REGULATION OF BREAST CANCER BY HORMONES; HORMONAL CONTROL OF NITROSAMINE METABOLISM	OPEN
MONTEFUSCO, CHERYL M. BS ST FRANCIS COLLEGE 1970 PHD NJCMD 1975	ASSOCIATE PROFESSOR OF SURGERY ALBERT EINSTEIN UNIVERSITY COLLEGE OF MEDICINE	GUEST LECTURER	HEMODYNAMICS, EXERCISE/PULMONARY PHYSIOLOGY	OPEN
MORIARTY, C. MICHAEL BS CARNEGIE-MELLON 1962 PHD UNIVERSITY OF ROCHESTER 1968	PROFESSOR DEPT PHYSIOLOGY AND BIOPHYSICS MEDICAL CENTER UNIVERSITY OF NEBRASKA		CELL CALCIUM; HORMONE SECRETION	SEPT-MAY
MUSTAFA, S. JAMAL MS LUCKNOW UNIVERSITY/INDIA 1962 PHD LUCHNOW UNIVERSITY/INDIA 1969	PROFESSOR DEPARTMENT OF PHARMACOLOGY EAST CAROLINA UNIVERSITY SCHOOL OF MEDICINE		PHYSIOLOGY AND PHARMACOLOGY OF CORONARY CIRCULATION	OPEN
NADEL, ETHAN R. BA WILLIAMS COLLEGE 1963 PHD UNIVERSITY OF CALIFORNIA 1969	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE YALE UNIVERSITY		TEMPERATURE REGUALTION IN HUMANS BLOOD FLOW CONTROL DURING EXERCISE	OPEN
NODEN, PATRICIA A. BS KANSAS STATE UNIV 1964 PHD MICHIGAN STATE UNIV 1975	ASSISTANT PROFESSOR SCHOOL OF VETERINARY MEDICINE NORTH CAROLINA STATE UNIVERSITY	MINORITY APPRENTICE PROGRAM	REPRODUCTION: HUMAN SEXUALITY PARTURITION, SEXUAL MATURATION IN MALES, AND SPERMATOGENESIS	OPEN
NORTHRUP, THOMAS E. AS KALAMAZOO COLLEGE 1967 PHD UNIVERSITY OF MICHIGAN 1974	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY MEDICAL SCHOOL EASTERN VIRGINIA	PARTICIPANT, MINORITY JOB TRAINING PROGRAM	SALT/WATER BALANCE; HORMONES; KIDNEY FUNCTIONS	OPEN
OLMSTED, CLINTON A. AB UNIVERSITY OF CALIFORNIA 1948 PHD UNIVERSITY OF CALIFORNIA 1956	ASSOCIATE PROFESSOR DEPARTMENT OF BIOLOGICAL SCIENCE UNIVERSITY OF NEW ORLEANS	VISITING PROFESSOR-SUNO & DILLARD UNIVERSITY; MARC VISITING SCIENTIST, 1982-83, 1983-84	FUNCTION AND DESIGN IN MOLECULAR BIOLOGY AND SYSTEMIC PHYSIOLOGY; MEMBRANE PHYSIOLOGY & DRUG RESPONSE	OPEN
OMACHI, AKIRA BA UNIVERSITY OF BUFFALO 1944 PHD UNIVERSITY OF MINNESOTA 1950	PROFESSOR DEPT PHYSIOLOGY AND BIOPHYSICS MEDICAL CENTER UNIVERSITY OF ILLINOIS	MINORITY HIGH SCHOOL STUDENT ENRICHMENT PROGRAM	METABOLISM AND TRANSPORT IN INTACT HUMAN ERYTHROCYTES INVESTIGATED WITH NMR SPECTROSCOPY	OPEN
ORONSKY, ARNOLD L. BA 1962 PHD COLUMBIA UNIVERSITY 1968	VICE-PRESIDENT PHARM DISCOVERY RESEARCH DIV AMERICAN CYANAMID CO LEDERLE LABS		UNIV-INDUSTRIAL RESEARCH, CAREERS IN INDUSTRIAL(PHARMACEUTICAL) RESEARCH, COLLAGEN BIOCHEMISTRY	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
PAGALA, MURALI K.D. BS S V UNIVERSITY 1963 PHD S V UNIVERSITY 1969	ELECTROPHYSIOLOGIST NEUROMUSCULAR DISEASE DIVISION MAIMONIDES MEDICAL CENTER		PHYSIOLOGY OF SKELETAL MUSCLE CONTRACTION	OPEN
PARMAR, SURENDRA S. - SEE AMERICAN SOCIETY FOR PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS				
PARSONS, ROBERT H. BS DELAWARE VALLEY COLLEGE 1963 PHD OREGON STATE UNIVERSITY 1969	ASSOCIATE PROFESSOR DEPARTMENT OF BIOLOGY RENSSELAER POLYTECHNIC INSTITUTE		RENAL PHYSIOLOGY	OPEN
PARTRIDGE, LLOYD D. BS UNIVERSITY OF MICHIGAN 1948 PHD UNIVERSITY OF MICHIGAN 1963	PROFESSOR DEPARTMENT OF PHYSIOLOGY UNIVERSITY OF TENNESSEE MEDICAL UNITS	VISITING SCIENTIST	MOTOR CONTROL INTEGRATION, INFORMATION PROCESSING ROLE OF NERVOUS SYSTEM AS EVOLUTIONARY FACTOR, INSTRUMENTATION AND ANALYSIS OF DATA	OPEN
PAUTLER, EUGENE L. BA UNIVERSITY OF BUFFALO 1956 PHD UNIVERSITY OF BUFFALO 1960	DEPT PHYSIOLOGY & BIOPHYSICS COLORADO STATE UNIVERSITY COL VET MED AND BIOMED SCIENCE	CSU SCIENCE MOTIVATION COMMITTEE ESTABLISHED NATIVE AMERICAN RESEARCH PROGRAM; MARC VISITING SCIENTIST, 1983-84	PHYSIOLOGY OF THE EYE; CAREERS IN BIOLOGY; SCIENCE AND CONGRESS	OPEN
PENHOS, J.C. MD NATL UNIV BUENOS AIRES 1943	PROFESSOR DEPT PHYSIOLOGY & BIOPHYSICS GEORGETOWN UNIVERSITY MEDICAL CENTER	MINORITY GROUP PROGRAM PARTICIPANT	ENDOCRINOLOGY, METABOLISM, DIABETES, (PHYSIOLOGY AND DISEASES)	OPEN
PETERSON, JOHN W. AB UNIV OF PENNSYLVANIA 1968 PHD HARVARD UNIVERSITY 1974	ASSOCIATE PROFESSOR PATHOLOGY MASSACHUSETTS GENERAL HOSPITAL HARVARD MEDICAL SCHOOL		ROLE OF BLOOD VESSELS IN CARDIOVASCULAR REGULATION: THE HEART IS NOT EVERYTHING	OPEN
PITKOW, HOWARD S. BA UNIV OF PENNSYLVANIA 1962 PHD RUTGERS UNIVERSITY 1971	PROFESSOR AND CHAIRMAN DEPT PHYSIOLOGICAL SCIENCES PENNSYLVANIA COLLEGE OF PODIATRIC MEDICINE	MARC VISITING SCIENTIST, 1983-84	SEX EDUCATION, EMBRIOLOGY; EFFECTS OF POLLUTANTS ON PREGNANCY; OVULATION AND ITS DETECTION	OPEN
POWANDA, MICHAEL C. - SEE AMERICAN INSTITUTE OF NUTRITION				
PRICE, STEVEN AB ADELPHI UNIVERSITY 1958 PHD PRINCETON UNIVERSIY 1961	PROFESSOR DEPT OF PHYSIOLOGY AND BIOPHYSIC MEDICAL COLLEGE OF VIRGINIA		RECEPTOR MECHANISMS IN TASTE AND SMELL	OPEN
PRIVITERA, CARMELO A. BA CANISIUS COLLEGE 1947 PHD ST LOUIS UNIVERSITY 1957	PROFESSOR DEPARTMENT OF BIOLOGICAL SCIENCE SUNY BUFFALO	EXCHANGE PROGRAM MINORITY COLLEGES	PHYSIOLOGICAL AND BIOCHEMICAL ADAPTATION OF ANIMALS	OPEN
RAFF, HERSHEL BA UNION COLLEGE 1975 PHD JOHNS HOPKINS UNIV 1981	ASSISTANT PROFESSOR DEPARTMENT OF MEDICINE MEDICAL COLLEGE OF WISCONSIN ST LUKE'S HOSPITAL		NEUROENDOCRINE CONTROL IN HUMANS AND OTHER MAMMALS DURING HYPOXIA	OPEN
RAMSAY, DAVID J. BA ENGLAND 1959 MD ENGLAND 1966	PROFESSOR DEPARTMENT OF PHYSIOLOGY UNIVERSITY OF CALIFORNIA		RENAL PHYSIOLOGY; BODY FLUID PHYSIOLOGY; HORMONAL REGULATION OF BLOOD VOLUME AND PRESSURE; THIRST	OPEN
RAYFORD, PHILLIP L. BS NORTH CAROLINA A&T STATE 1949 PHD UNIVERSITY OF MARYLAND 1973	PROFESSOR AND CHAIRMAN DEPARTMENT OF PHYSIOLOGY COLLEGE OF MEDICINE UNIVERSITY OF ARKANSAS	VISITING LECTURER	ENDOCRINOLOGY OF GASTRO-INTESTINAL TRACT; BRAIN/GUT PEPTIDES	OPEN
REHM, WARREN S. BS UNIVERSITY OF TEXAS 1930 PHD UNIVERSITY OF TEXAS 1935 MD UNIVERSITY OF CHICAGO 1941	RESEARCH PROFESSOR DEPT OF PHYSIOLOGY & BIOPHYSICS HEALTH SCIENCE CENTER UNIVERSITY OF LOUISVILLE	VISITING PROFESSOR, TUSKEGEE INSTITUTE; MARC VISITING SCIENTIST, 1981-82	BIOTRANSPORT, ELECTROPHYSIOLOGY	OPEN
RICHMOND, JONAS E. - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
ROCKSTEIN, MORRIS AB BROOKLYN COLLEGE 1938 PHD UNIVERSITY OF MINNESOTA 1948	PROFESSOR EMERITUS DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE UNIVERSITY OF MIAMI	MARC VISITING SCIENTIST, 1983-84	ROLE OF HEREDITY & ENVIRONMENT IN LONGEVITY; AGING OF MUSCLE; BIOLOGY & PATHOLOGY OF AGING IN HUMANS; INSECTS: THEIR WAYS AND MEANS OF LIVING	OPEN
ROSENBERG, EDITH MA UNIVERSITY OF TORONTO 1952 PHD UNIV OF PENNSYLVANIA 1959	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY COLLEGE OF MEDICINE HOWARD UNIVERSITY	LECTURER	PULMONARY PHYSIOLOGY; CARDIOVASCULAR PHYSIOLOGY	OPEN
ROSENFELD, LEONARD M. BA UNIV OF PENNSYLVANIA 1959 PHD JEFFERSON MED COLLEGE 1964	DEPARTMENT OF PHYSIOLOGY JEFFERESON MEDICAL COLLEGE	CONSULTANT, AMERICAN FOUNDATION FOR NEGRO AFFAIRS	GASTROINTESTINAL PHYSIOLOGY; FLUID AND ELECTROLYTE PHYSIOLOGY; CIRCULATORY SHOCK; CURRICULUM DEVELOPMENT & INTEGRATION	OPEN
ROTHCHILD, IRVING BA UNIVERSITY OF WISCONSIN 1936 PHD UNIVERSITY OF WISCONSIN 1939 MD OHIO STATE UNIVERSITY 1954	PROFESSOR DEPT REPRODUCTIVE BIOLOGY CASE WESTERN RESERVE UNIVERSITY	VISITING PROFESSOR	PHYSIOLOGY OF REPRODUCTION, CONTROL OF OVARIAN ACTIVITY; DISORDERS OF OVARIAN FUNCTION; PHYSIOLOGY OF CORPUS LUTEUM	OPEN
RYAN, JAMES P. BS VILLANOVA UNIVERSITY 1968 PHD HAHNEMANN MEDICAL COL 1974	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY TEMPLE UNIVERSITY SCHOOL OF MED		GASTRO-INTESTINAL PHYSIOLOGY, GENERAL AREAS OF PHYSIOLOGY	OPEN
SAWKA, MICHAEL N. BS E STROUDSBURG 1973 PHD SOUTHERN ILLINOIS UNIV 1977	RESEARCH PHYSIOLOGIST US ARMY RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE NATICK, MA		EXERCISE, ENVIRONMENTAL PHYSIOLOGY; TEMPERATURE REGULATION; CARDIOVASCULAR PHYSIOLOGY	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
SCHATTE, CHRISTOPHER BA WESTERN MICHIGAN UNIV 1966 PHD COLORADO STATE UNIV 1962	ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY COLORADO STATE UNIVERSITY		SCIENTISTS IN PUBLIC SERVICE	OPEN
SECHZER, JERI A. BS NEW YORK UNIVERSITY 1956 PHD UNIV PENNSYLVANIA 9162	ASSOCIATE PROFESSOR DEPARTMENT OF PSYCHIATRY CORNELL UNIVERSITY MEDICAL COLLEGE		ETHICAL ISSUES IN RESEARCH WITH ANIMALS; EARLY DEVELOPMENT OF BRAIN AND BEHAVIOR	OPEN
SHELLABARGER, CLAIRE J. AB MIAMI UNIVERSITY OF OHIO 1948 PHD INDIANA UNIVERISTY 1952	SENIOR SCIENTIST DEPARTMENT OF MEDICINE BROOKHAVEN NATIONAL LAB	MARC VISITING SCIENTIST, 1981-82	RADIATION BIOLOGY; CANCER RESEARCH	OPEN
SIMMONS, DANIEL H. BA UCLA 1941 MD UNIV OF SO CALIFORNIA 1948 PHD UNIV OF MINNESOTA 1953	PROFESSOR DEPARTMENT OF MEDICINE UCLA SCHOOL OF MEDICINE		RESPIRATION PHYSIOLOGY; EMPHASIS ON ACID-BASE, TISSUE AND BLOOD OXYGENATION, MECHANICAL VENTILATION, LUNG REFLEXES	OPEN
SOLARO, R. JOHN BSC UNIV OF CINCINNATI 1965 PHD UNIV OF PITTSBURG 1971	PROFESSOR DEPARTMENT OF PHYSIOLOGY UNIV OF CINCINNATI SCHOOL OF MEDICINE		THE HEART: MUSCLE AND PUMP; SUBCELLULAR REGULATION OF CARDIAC CONTRACTILITY	OPEN
SOLIMAN, KARAM F.A. PHD UNIVERSITY OF GEORGIA 1972	PROFESSOR DEPARTMENT OF BASIC SCIENCE SCHOOL OF PHARMACY FLORIDA A&M UNIVERSITY	VISITING PROFESSOR	ENDOCRINOLOGY	OPEN
SOLOMON, SIDNEY BS UNIV OF MASSACHUSETTS 1948 PHD UNIVERSITY OF CHICAGO 1952	PROFESSOR DEPARTMENT OF PHYSIOLOGY UNIVERSITY OF NEW MEXICO	MINORITY HYPERTENSION PROGRAM	RENAL PHYSIOLOGY; WATER AND ELECTROLYTE BALANCE	OPEN
SPARKS, HARVEY V. MD UNIV OF MICHIGAN 1963	PROFESSOR AND CHAIRMAN DEPARTMENT OF PHYSIOLOGY MICHIGAN STATE UNIVERSITY		CARDIOVASCULAR PHYSIOLOGY AND PATHOPHYSIOLOGY	OPEN
SRIDARAN, RAJAGOPALA BS UNIV OF MADRAS/INDIA 1970 PHD CHICAGO MEDICAL SCHOOL 1977	ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY MOREHOUSE SCHOOL OF MEDICINE		NEUROPHYSIOLOGY, ENDOCRINOLOGY, BIOLOGICAL CLOCKS AND HOMONES	OPEN
SRIVASTAVA, PRAKASH N. - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
SZURSZEWSKI, JOSEPH H. BS DUQUESNE UNIVERSITY 1962 PHD UNIVERSITY OF ILLINOIS 1966	PROFESSOR DEPT PHYSIOLOGY & BIOPHYSICS MAYO CLINIC		GASTROINTESTINAL PHYSIOLOGY	OPEN
TALAMANTES, FRANK BA UNIVERSITY OF ST THOMAS 1966 MA SAM HOUSTON STATE UNIV 1970 PHD UNIVERSITY OF CALIFORNIA 1974	PROFESSOR DIVISION NATURAL SCIENCES THIMANN LABORATORIES UNIVERSITY OF CALIFORNIA	CHAIR, NIH-MARC STUDY SECTION, MINORITY PROGRAMS SERVED: (U/CA) TO INCREASE GRAD LEVEL PARTICIPATION, NATIONAL BIOMED SCIENCE SYMPOSIUM, HEW SUMMER INSTITUTE	VERTEBRATE ENDOCRINOLOGY, BIOLOGY OF HUMAN REPORDUCTION, THE HUMAN BODY; MAMMARY GLAND BIOLOGY/REPRODUCTIVE ENDOCRINOLOGY	OPEN
TATE, CHARLOTTE A. BS TEXAS WOMAN'S UNIVERSITY 1969 MA SOUTHWEST TEXAS ST UNIV 1972 PHD UNIVERSITY TEXAS/AUSTIN 1976	ASSISTANT PROFESSOR DEPT EXPERIMENTAL MEDICINE SECTION OF CARDIOVASCULAR SCI BAYLOR COLLEGE OF MEDICINE	VISITING PROFESSOR	FACTORS INVOLVED IN REGULATION OF GLUCONEOGENESIS DURING EXERCISE, FACTORS INVOLVED IN CALCIUM TRANSPORT PROCESS OF SARCOPLASMIC RETICULUM	JAN-MAY AUG-DEC
TAUBERT, KATHRYN A. BS S F AUSTIN STATE UNIV 1965 PHD UNIVERSITY OF TEXAS 1975	ASSOCIATE PROFESSOR DEPT PHYSIOLOGY & PHARMACOLOGY SCHOOL OF PHARMACY UNIVERSITY OF THE PACIFIC		CARDIOVASCULAR PHYSIOLOGY	OPEN
THIES, ROGER BS BATES COLLEGE 1955 PHD ROCKEFELLER UNIVERSITY 1961	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY HEALTH SCIENCE CENTER UNIVERSITY OF OKLAHOMA	LECTURER, UGANDA	NEURAL CONTROL OF HEART; HOLISTIC HEALTH CARE, PERSONAL IMPRESSIONS OF NOBEL PRIZE WINNERS	OPEN
TIPTON, CHARLES M. BS SPRINGFIELD COLLEGE 1952 PHD UNIVERSITY OF ILLINOIS 1962	PROFESSOR AND HEAD DEPARTMENT OF PHYSICAL EDUCATION UNIVERSITY OF ARIZONA	MINORITY HYPERTENSION PROGRAM	EXERCISE PHYSIOLOGY AND SPORTS MEDICINE AS AREAS FOR SCIENTIFIC CAREERS, EXERCISE ADAPTATIONS, EXERCISE & HYPERTENSION	SPRING SUMMER
TRABER, DANIEL L. BA ST MARY'S UNIVERSITY 1959 PHD UNIVERSITY OF TEXAS 1965	PROFESSOR DEPT PHYSIOLOGY & ANESTHESIOLOGY UNIVERSITY OF TEXAS MEDICAL BRANCH	VISITING LECTURER LECTURER AT MINORITY COLLEGE	PATHOPHYSIOLOGIC SEQUILAE OF THE BURN WOUND	OPEN
TROUTH, C. OVID BA WILBERFORCE UNIVERSITY 1956 MD GOETHE UNIV/W GERMANY 1965 PHD GOETHE UNIV/W GERMANY 1967	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY HOWARD UNIVERSITY COLLEGE OF MEDICINE	PORTER VISITING PROFESSOR	NEUROPHYSIOLOGY; RESPIRATORY PHYSIOLOGY	OPEN
TURNER, TERRY T. BS UNIVERSITY OF GEORGIA 1967 PHD UNIVERSITY OF GEORGIA 1974	ASSOCIATE PROFESSOR DEPARTMENT OF UROLOGY SCHOOL OF MEDICINE UNIVERSITY OF VIRGINIA		REPRODUCTIVE BIOLOGY; MALE REPRODUCTIVE PHYSIOLOGY, GAMETE PHYSIOLOGY	OPEN
VANATTA, JOHN C. AB INDIANA UNIVERSITY 1941 MD INDIANA UNIVERSITY 1944	PROFESSOR DEPARTMENT OF PHYSIOLOGY HEALTH SCIENCE CENTER UNIVERSITY OF TEXAS		POTASSIUM, HYDROGEN, AMMONIUM AND BICARBONATE EXCRETION IN FROG SKIN; ACID-BASE BALANCE IN MAN; SOLAR ECLIPSE EXPEDITION IN CANADA	OPEN
VERRETT, JOYCE M. BA DILLARD UNIVERSITY 1957 PHD TULANE UNIVERSITY 1971	CHAIRPERSON DEPARTMENT OF BIOLOGY DILLARD UNIVERSITY	MARC VISITING SCIENTIST, 1981-82, 1983-84	WATER BALANCE MECHANISMS, NEUROSECRETION, MINORITY WOMEN IN SCIENCE	OPEN
VISEK, WILLARD J. - SEE AMERICAN INSTITUTE OF NUTRITION				

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WEI, ENOCH PING AB UNIV OF NORTH CAROLINA 1967 PHD UNIV OF NORTH CAROLINA 1972	RES ASSOCIATE OF MEDICINE DEPARTMENT OF MEDICINE MEDICAL COLLEGE OF VIRGINIA		CEREBRAL CIRCULATION	OPEN
WILLS, J. HENRY BS VIRGINIA POLYTECH INST 1934 PHD UNIV OF ROCHESTER 1941	VISITING PROFESSOR UNIFORMED SERVICES UNIVERSITY OF HEALTH SCIENCES		PHARMACOLOGY OF DRUG USE TO PROTECT MAN FROM TOXIC EFFECTS OF ORGANOPHOSPHORUS PESTICIDES; NEUROEFFECTORS,NEUROTRANSMITTERS AND VOLUNTARY ACTIVITY	OPEN
WILSON, DAVID L. BS UNIVERSITY OF MARYLAND 1964 PHD UNIVERSITY OF CHICAGO 1969	PROFESSOR DEPT PHYSIOLOGY & BIOPHYSICS SCHOOL OF MEDICINE UNIVERSITY OF MIAMI		MOLECULAR NEUROBIOLOGY; MIND & BRAIN; NERVE REGENERATION	OPEN
WONG, HARRY Y.C. BS OKLAHOMA STATE UNIV 1942 PHD UNIV SOUTHERN CALIFORNIA 1960	PROFESSOR DEPARTMENT OF PHYSIOLOGY COLLEGE OF MEDICINE HOWARD UNIVERSITY	VISITING LECTURER, PEOPLE'S REPUBLIC OF CHINA	ENDOCRINOLOGY; LIPID METABOLISM AND ATHEROSCLEROSIS; STRESS, HORMONES, DRUGS AND PHYSICAL EXERCISE	OPEN
WYLIE, RICHARD M. BA HARVARD COLLEGE 1956 PHD HARVARD UNIVERSITY 1962	RESEARCH PHYSIOLOGIST DEPT MEDICAL NEUROSCIENCE WALTER REED ARMY INSTITUTE OF RESEARCH	MARC VISITING SCIENTIST, 1983-84	NEUROPHYSIOLOGY; BIOLOGICAL BASIS OF BEHAVIOR	OPEN
YASUMURA, SEIICHI AB OCCIDENTAL COLLEGE 1958 PHD UNIVERSITY CINCINNATI 1962	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY DOWNSTATE MEDICAL CENTER	MARC VISITING SCIENTIST, 1982-83	MEDICAL APPLICATIONS OF NUCLEAR TECHNOLOGIES	OPEN
YEZIERSKI, ROBERT P. BS VIRGINIA POLYTECH INST 1972 PHD WEST VIRGINIA UNIV 1979	ASSOCIATE PROFESSOR DEPARTMENT OF ANATOMY UNIVERSITY OF MISSISSIPPI MEDICAL CENTER		DESCENDING CONTOL OF SPINO-THALAMIC TRACT; EFFECTS OF ANALGESICS ON PAIN PATHWAYS; PHYSIOLOGY OF THE SPINOTHALAMIC TRACT	OPEN
ZAR, JERROLD H. BS NORTHERN ILLINOIS UNIV 1962 PHD UNIVERSITY OF ILLINOIS 1967	PROFESSOR DEPARTMENT OF BIOLOGICAL SCIENCE NORTHERN ILLINOIS UNIVERSITY	AIBS VISITING BIOLOGIST	STATISTICAL ANALYSIS IN BIOLOGICAL RESEARCH	OPEN
ZAUNER, CHRISTIAN W. BS WEST CHESTER STATE 1956 PHD SO ILLINOIS UNIVERSITY 1963	PROFESSOR CENTER PHYSICAL AND MOTOR FITNESS UNIVERSITY OF FLORIDA		EXERCISE PHYSIOLOGY; EXERCISE PRESCRIPTION; NON-RESPIRATORY LUNG FUNCTION; CHILD IN TRAINING	OPEN

AMERICAN SOCIETY FOR BIOLOGICAL CHEMISTS

ALTMAN, KURT BS UNIVERSITY OF CHICAGO 1941 PHD UNIVERSITY OF ROCHESTER 1963	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMISTRY SCHOOL OF MEDICINE AND DENTISTRY UNIVERSITY OF ROCHESTER	VISITING LECTURER	RADIATION BIOCHEMISTRY; METABOLISM OF PORPHYRINS AND BILE PIGMENTS IN HEALTH AND DISEASE	OPEN
ALVAREZ, ALVITO P. - SEE AMERICAN SOCIETY FOR PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS				
BANDYOPADHYAY, ALOK K. BS INDIA 1962 PHD UNIVERSITY OF INDIANA 1970	SENIOR INVESTIGATOR BALTIMORE CANCER RES PROGRAM NATIONAL CANCER INSTITUTE NIH		CANCER & CANCER VIRUS	OPEN
BATRA, PREM D. BS INDIA 1956 PHD UNIVERSITY OF ARIZONA 1961	PROFESSOR DEPARTMENT OF BIOCHEMISTRY SCHOOL OF MEDICINE WRIGHT STATE UNIVERSITY	COORDINATOR, WRIGHT STATE MINORITY ADMISSION AND RETENTION PROGRAM	INTRODUCTION TO BIOCHEMISTRY; METABOLISM OF THE ISCHEMIC MYOCARDIUM	OPEN
BENNUN, ALFREDO BS UNIVERSITY OF CORDOBA 1964 MS UNIVERSITY OF CORDOBA 1967 PHD UNIVERSITY OF CORDOBA 1963	ASSOCIATE PROFESSOR BIOCHEM DEPT ZOOLOGY AND PHYSIOLOGY RUTGERS-STATE UNIV NEW JERSEY	VISITING LECTURER; PRIN INV IN NIH MINORITY RESEARCH SUPPORT GRANT	ENZYME KINETICS; METABOLISM; MEMBRANE STRUCTURE AND FUNCTION; CONTROL OF COUPLED ATPASES AND RECEPTOR-COUPLED ADENYLATE CYCLASES	OPEN
BERLINER, LAWRENCE BS UCLA 1963 PHD STANFORD 1967	PROFESSOR OF CHEMISTRY DEPARTMENT OF CHEMISTRY OHIO STATE UNIVERSITY		X-RAY STRUCTURE OF AN ENZYME MAGNETIC RESONANCE IN BIOLOGY AND MEDICINE	SPRING 1986
BERNSTEIN, ISADORE A. AB JOHNS HOPKINS UNIVERSITY 1941 PHD WESTERN RESERVE 1952	PROFESSOR BIOLOGICAL CHEMISTRY MEDICAL SCHOOL ASSOCIATE DIRECTOR FOR RESEARCH INST ENVIRON & INDUSTR HEALTH UNIVERSITY OF MICHIGAN	AIBS VISITING BIOLOGIST	MOLECULAR TOXICOLOGY; MOLECULAR ACCOMMODATION TO ENVIRONMENTAL STRESSORS	OPEN
BERNSTEIN, SEYMOUR AB PRINCETON 1936 PHD PRINCETON 1939	PRINCIPAL RESEARCH CHEMIST GROUP LEADER MEDICAL RESEARCH DIVISION LEDERLE LABORATORIES AMERICAN CYANAMID COMPANY	VISITING LECTURER	ANTI-INFLAMMATORY AGENTS; DEVELOPMENT OF CORTISONE DRUGS, STEROID HORMONES; MODULATORS OF COMPLEMENT	OPEN
BEZKOROVAINY, ANATOLY - SEE AMERICAN INSTITUTE OF NUTRITION				
BHATNAGAR, RAJENDRA BS AGRA UNIVERSITY 1964 PHD DUKE UNIVERSITY 1964	PROFESSOR IN RESIDENCE SCHOOL OF DENTISTRY MEDICAL CENTER UNIVERSITY OF CALIFORNIA		CONNECTIVE TISSUE BIOPHYSICS, BIOCHEMISTRY AND PATHOBIOLOGY; ENVIRONMENTAL TOXICOLOGY	OPEN

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BIEBER, ALLAN L. BS NORTH DAKOTA STATE UNIV 1956 PHD OREGON STATE UNIV 1962	PROFESSOR DEPARTMENT OF CHEMISTRY ARIZONA STATE UNIVERSITY		STRUCTURE AND ACTIONS OF TOXINS FROM SNAKE VENOMS; BIOCHEMICAL LESIONS IN PURINE METABOLIC PATHWAYS	OPEN
BRIDGES, C. DAVID BS ENGLAND 1952 PHD ENGLAND 1957	PROFESSOR DEPARTMENT OF BIOCHEMISTRY BAYLOR COLLEGE OF MEDICINE	MARC VISITING SCIENTIST, 1983-84	VITAMIN A; VISION; BIOCHEMISTRY OF VISION	OPEN
CANELLAKIS, ZOE NAKOS BA VASSAR COLLEGE 1947 PHD UNIVERSITY OF WISCONSIN 1954	SENIOR SCIENTIST DEPARTMENT OF PHARMACOLOGY YALE SCHOOL OF MEDICINE		POLYAMINES: THEIR BIOCHEMISTRY, ROLE AS INDUCERS OF DIFFERENTIATION, ENZYMOLOGY OF ORNITHINE DECARBOXYLASE	OPEN
CHATTERJEE, SUBROTO BS LUCHNOW UNIVERSITY 1962 PHD UNIVERSITY OF TORONTO 1972	ASSISTANT PROFESSOR JOHNS HOPKINS UNIVERSITY		LIPID METABOLISM; ATHEROSCLEROSIS; GLYCOLIPIDS; LIPOPROTEIN RECEPTORS	OPEN
CHERRY, JOE H. BS UNIVERSITY OF TENNESSEE 1957 PHD UNIVERSITY OF ILLINOIS 1961	PROFESSOR DEPARTMENT OF HORTICULTURE PURDUE UNIVERSITY	VISITING PROFESSOR	HORMONAL REGULATION OF PLANT GROWTH; PROTEIN SYNTHESIS IN PLANTS	OPEN
CHEUNG, HERBERT C. BA RUTGERS UNIVERSITY 1964 PHD RUTGERS UNIVERSITY 1961	PROFESSOR DEPT OF BIOCHEMISTRY UNIV OF ALABAMA MEDICAL CENTER		MUSCLE CONTRACTION AT THE MOLECULAR LEVEL; FLUORESCENCE SPECTROSCOPY APPLIED TO BIOLOGICAL SYSTEMS	OPEN
CHU, T. MING BS NATIONAL TAIWAN UNIV 1961 PHD PENNSYLVANIA STATE UNIV 1967	DIRECTOR OF CANCER RESEARCH DIAGNOSTIC IMMUNOLOGY RESEARCH & BIOCHEMISTRY ROSWELL PARK MEMORIAL INSTITUTE		BIOCHEMISTRY AND IMMUNOCHEMISTRY OF NEOPLASTIC DISEASES; IMMUNODIAGNOSIS AND IMMUNOTHERAPY OF CANCER	OPEN
CORY, JOSEPH G. BS UNIVERSITY OF TAMPA 1958 PHD FLORIDA STATE UNIVERSITY 1963	PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF SOUTH FLORIDA COLLEGE OF MEDICINE		BIOCHEMISTRY OF CANCER CELLS; MECHANISM OF ACTION OF ANTI-TUMOR AGENTS	OPEN
DAS, SALIL K. BSC INDIA 1959 SCD MIT 1966	PROFESSOR DEPARTMENT OF BIOCHEMISTRY MEHARRY MEDICAL COLLEGE	SPECIAL LECTURES TO MINORITY STUDENTS; MARC VISITING SCIENTIST, 1983-84	REGULATION OF LUNG SURFACTANT BIOSYNTHESIS	OPEN
DAVIS, GEORGE K. - SEE AMERICAN INSTITUTE OF NUTRITION				
DAVIS, LAWRENCE C. BS HAVERFORD COLLEGE 1966 PHD ALBERT EINSTEIN MED SCH 1970	ASSOCIATE PROFESSOR BIOCHEMISTRY KANSAS STATE UNIVERSITY		NITROGEN FIXATION AND NITROGENASE; GEL FILTRATION CHROMATOGRAPHY; PHOTOSYNTHESIS	OPEN
DAVIS, LEODIS BS UNIVERSITY OF MISSOURI 1956 PHD IOWA STATE UNIVERSITY 1960	PROFESSOR AND CHAIRMAN DEPARTMENT OF CHEMISTRY UNIVERSITY OF IOWA	MINORITY BIOMEDICAL SUPPORT PROGRAM; ASBC COMMISSION ON MINORITY AFFAIRS, LECTURER/ RECRUITER PROGRAM; MARC VISITING SCIENTIST, 1981-82, 1982-83	AMINO ACID & CARBON METABOLISM; PYRIDOXAL-P & FOLIC ACID ENZYMES	OPEN
DEVENUTO, FRANK BS ITALY 1948 PHD ITALY 1951	RESEARCH CHEMIST DIVISION OF BLOOD RESEARCH LETTERMAN ARMY INSTITUTE OF RESEARCH	VISITING SCIENTIST	BLOOD; BLOOD SUBSTITUTES; RESUSCITATION FLUIDS	OPEN
EDSTROM, RONALD D. AB UNIV OF CALIFORNIA/BERK 1958 PHD UNIV OF CALIFORNIA/DAVIS 1962	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF MINNESOTA	DIRECTED SUMMER PROGRAM FOR MINORITY HIGH SCHOOL STUDENTS	REGULATION OF GLYCOGEN METABOLISM; INTERACTION OF CALMODULIN AND PHOSPHORYLASE KINASE; GLYCOYLATION OF PROTEINS IN DIABETES	OPEN
EISINGER, JOSEF BA CANADA 1947 PHD MIT 1951	RESEARCH SCIENTIST DEPT MOLECULAR BIOPHYSICS BELL LABORATORIES	MARC VISITING SCIENTIST, 1981-82	BIOCHEMSITRY AND HISTORY OF CHRONIC LEAD POISONING; BIOPHYSICS	OPEN
FAHRNEY, DAVID E. BA REED COLLEGE 1959 PHD COLUMBIA UNIVERSITY 1963	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMISTRY COLORADO STATE UNIVERSITY	NSF SUMMER INSTITUTE	BIOCHEMICAL ADAPTATION OF MUSCLE TO EXERCISE; BIOCHEMISTRY OF MYCOPLASMAS	OPEN
FAIN, JOHN N. BS CARSON-NEWMAN COLLEGE 1956 PHD EMORY UNIVERSITY 1960	PROFESSOR AND CHAIRMAN DEPT PHYSIOLOGICAL CHEMISTRY BROWN UNIVERSITY	MARC VISITING SCIENTIST, 1983-84	MODE OF HORMONE ACTION; CYCLIC NUCLEOTIDES & CALCIUM AS SECOND MESSENGERS; REGULATION OF SALIVARY SECRETION	OPEN
FRIED, MELVIN BS UNIVERSITY OF FLORIDA 1948 PHD YALE 1952	PROFESSOR DEPARTMENT OF BIOCHEMISTRY COLLEGE OF MEDICINE UNIVERSITY OF FLORIDA	SUMMER ENRICHMENT PROGRAMS FOR MINORITY MEDICAL, DENTAL & VETERINARY STUDENTS	CHOLESTEROL, LIPOPROTEIN AND ATHEROSCLEROSIS; LIPID/PROTEIN INTERACTIONS IN LIPOPROTEINS AND MEMBRANES; MARINE BIOCHEMSITRY	OPEN
FRIED, VICTOR A. BS UNIVERSITY OF CHICAGO 1965 PHD UNIVERSITY OF OREGON 1980	ASSISTANT MEMBER BIOCHEMISTRY ST JUDE CHILDREN'S RESEARCH HOSP		POST-TRANSLATIONAL PRESSURE REGULATION MECHANISMS; FROM MEMBRANE BIOGENESIS TO PROTEIN DEGRADATION IN E. COLI	OPEN
FRIEDBERG, FELIX BS DENVER UNIVERSITY 1944 PHD UNIVERSITY OF CALIFONIA 1947	PROFESSOR DEPARTMENT OF BIOCHEMISTRY COLLEGE OF MEDICINE HOWARD UNIVERSITY		PROTEIN STRUCTURE & FUNCTION	OPEN
FULLER, R.C. AB BROWN UNIVERSITY 1946 PHD STANFORD 1952	PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF MASSACHUSETTS	MINORITY ACCESS TO RESEARCH CAREERS PROGRAM	PHOTOSYNTHESIS; SOLAR ENERGY CONVERSION	OPEN
GABER, BRUCE P. BA HENDRIX COLLEGE 1963 PHD UNIV SOUTHERN CALIFORNIA 1968	STAFF SCIENTIST NAVAL RESEARCH LABORATORY OPTICAL PROBES BRANCH WASHINGTON, DC	MARC VISITING SCIENTIST, 1983-84	MEMBRANE STRUCTURE AND FUNCTON; BIOPHYSICAL TOOLS FOR MEMBRANE STUDIES	OPEN

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GANDER, JOHN E. BS MONTANA STATE UNIVERSITY 1960 PHD UNIVERSITY OF MINNESOTA 1966	PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF MINNESOTA		A NEW AND NOVEL BIFUNCTONAL OXIDOREDUCTASE; USE OF NMR SPECTROSCOPY TO CHARACTERIZE COMPLEX SACCHARIDES & GLYCOPEPTIDES	OPEN
GANGULY, PAN BS CALCUTTA UNIVERSITY 1959 PHD CALCUTTA UNIVERSITY 1965	PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF TENNESSEE	MARC VISITING SCIENTIST, 1983-84	HOW BLOOD CLOTS, PROTEINS, ANTIBODIES, PLATELETS BASIC REACTIONS IN THROMBOSIS	OPEN
GOLDBERG, ERWIN BA SUNY 1951 PHD UNIVERSITY OF IOWA 1956	PROFESSOR DEPARTMENT OF BIOLOGICAL SCIENCE NORTHWESTERN UNIVERSITY	APS VISITING SCIENTIST MARC VISITING SCIENTIST, 1981-82	DEVELOPMENT OF CONTRACEPTIVE VACCINE; ANTIGENIC PEPTIDE; LDH ISOZYMES	OPEN
GOODRIDGE, ALAN G. - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
GOTS, JOSEPH S. BA TEMPLE UNIVERSITY 1939 PHD UNIV OF PENNSYLVANIA 1948	PROFESSOR DEPARTMENT OF MICROBIOLOGY UNIVERSITY OF PENNSYLVANIA		BACTERIAL GENETICS AND DISEASE THE PLASMID CONNECTION; GENE EXPRESSION AND ITS CONTROL; BACTERIAL METABOLISM AND ITS REGULATION	OPEN
GRACY, ROBERT W. BS CAL STATE POLYTECH 1964 PHD UNIVERSITY OF CALIFORNIA 1968	PROFESSOR AND CHAIRMAN DEPARTMENT OF BIOCHEMISTRY NORTH TEXAS STATE UNIVERSITY	MARC VISITING SCIENTIST, 1983-84	AGING AND FAILURE OF THE IMMUNE SYSTEM; HUMAN GENETIC DISEASES	OPEN
GUSSIN, ARNOLD E.S. BS TULANE 1957 PHD BROWN UNIVERSITY 1963	DIRECTOR DEPARTMENT OF EDUCATION NEW YORK BOTANICAL GARDEN	NSF SUMMER INSTITUTE, BROWN UNIV	WATER RELATIONS IN PLANTS; ONSET OF DORMANCY; PHOTOSYNTHESIS; CONTINUING SCIENCE EDUCATION IN ACADEMIC & CULTURAL INSTITUTIONS	OPEN
HACK, M.H. BS ROOSEVELT 1949 PHD UNIVERSITY OF CHICAGO 1951	PROFESSOR DEPARTMENT OF ANATOMY TULANE UNIVERSITY		BIOCHEMISTRY OF LIPIDS; COMPARATIVE HISTOCHEMISTRY	OPEN
HAGEMAN, JAMES H. BS UNIVERSITY OF ILLINOIS 1964 PHD UNIVERSITY OF CALIFORNIA 1968	PROFESSOR CHEMISTRY DEPARTMENT OF CHEMISTRY NEW MEXICO STATE UNIVERSITY		AFFINITY CHROMATOGRAPHY USING BARONIC ACID SUPPORT; PROTEIN TURNOVER IN BACILLUS SUBTILIS; BACTERIAL PROTEASES; COLLAGENASE INHIBITORS	OPEN
HALEY, BOYD E. BA FRANKLIN 1963 PHD WASHINGTON STATE UNIV 1970	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF WYOMING		USE OF PHOTOAFFINITY PROBES TO STUDY NUCLEOTIDE REGULATED PHENOMENON; NUCLEOTIDES IN BIOLOGICAL REGULATION	OPEN
HAMILTON, FRANKLIN D. BS FLORIDA A&M 1964 PHD UNIVERSITY OF PITTSBURGH 1969	ASSOCIATE PROFESSOR DEPARTMENT OF CHEMISTRY ATLANTA UNIVERSITY	UNITED NEGRO COLLEGE FUND LECTURE SERIES IN CHEMISTRY; MARC VISITING SCIENTIST, 1981-82, 1982-83	CANCER CHEMOTHERAPY; ENZYME BIOCHEMISTRY	OPEN
HARRIS, ROBERT A. - SEE AMERICAN INSTITUTE OF NUTRITION				
HARTMAN, PHILIP E. BS UNIVERSITY OF ILLINOIS 1949 PHD UNIV PENNSYLVANIA 1953	PROFESSOR DEPARTMENT OF BIOLOGY JOHNS HOPKINS UNIVERSITY	BLACK STUDENTS UNION RECRUITMENT PROGRAM; MARC VISITING SCIENTIST, 1983-84	NITRITES, NITRATES AND CANCER; INTESTINAL METAPLASIA, BACTERIAL MUTAGENESIS	OPEN
HASSAN, HOSNI M. BS UNIV OF AIN SHAMS/CAIRO 1969 PHD UNIVERSITY OF CALIFORNIA 1967	PROFESSOR DEPARTMENTS OF MICROBIOLOGY AND FOOD SCIENCE NORTH CAROLINA STATE UNIVERSITY		OXYGEN METABOLISM; OXYGEN TOXICITY; MICROBIAL PHYSIOLOGY; FOOD MICROBIOLOGY	OPEN
HAUSCHKA, STEPHEN D. BA AMHERST COLLEGE 1962 PHD JOHNS HOPKINS UNIV 1966	PROFESSOR DEPT BIOCHEMISTRY AND ZOOLOGY UNIVERSITY OF WASHINGTON		CELLULAR AND MOLECULAR ASPECTS OF SKELETAL MUSCLE DIFFERENTIATION	OPEN
HAYASHI, JAMES A. BS N ILLINOIS STATE TEACHER 1948 PHD UNIV OF WISCONSIN 1956	PROFESSOR ST LUKE'S MEDICAL CENTER RUSH-PRESBYTERIAN		GENERAL BIOCHEMISTRY; TOXICOLOGY	OPEN
HEIMBERG, MURRAY BS CORNELL 1948 PHD DUKE 1952 MD VANDERBILT 1959	PROFESSOR AND CHAIRMAN DEPARTMENT OF PHARMACOLOGY CENTER FOR HEALTH SCIENCES UNIVERSITY OF TENNESSEE	MARC VISITING SCIENTIST, 1983-84	REGULATION OF HEPATIC LIPID METABOLISM AND PLASMA LIPOPROTEINS	OPEN
HENDERSON, THOMAS R. BS PAN AMERICAN UNIVERSITY 1953 PHD UNIVERSITY OF TEXAS 1960	BIOCHEMIST LOVELACE BIOMEDICAL ENVIRONMENT RESEARCH INSTITUTE		CHEMICAL AND BIOLOGICAL CHARACTERIZATION OF DIESEL EMISSIONS AND ATMOSPHERIC POLLUTANTS	OPEN
HERRMANN, ROBERT L. BS PURDUE UNIVERSITY 1951 PHD MICHIGAN STATE UNIV 1956	ADJUNCT PROFESSOR AND PREMEDICAL ADVISOR DEPARTMENT OF CHEMISTRY GORDON COLLEGE	MARC VISITING SCIENTIST, 1983-84	ETHICAL ISSUES IN THE TREATMENT OF GENETIC DISEASE; INTEGRITY IN SCIENCE	OPEN
HOTTA, YASUO BS NAGOYA UNIVERSITY 1954 PHD NAGOYA UNIVERSITY 1959	RESEARCH BIOLOGIST DEPARTMENT OF BIOLOGY UNIVERSITY OF CALIFORNIA		CELL BIOLOGY/REPRODUCTIVE BIOLOGY; CELLULAR AND BIOCHEMICAL BASIS OF GERM CELL PRODUCTION	OPEN
HOWARD, CHARLES F. JR. MS UNIVERSITY OF WISCONSIN 1961 PHD UNIVERSITY OF WISCONSIN 1963	SCIENTIST AND HEAD DIV METABOL AND IMMUNE DIS OREGON REGIONAL PRIMATE RES CTR		DIABETES; ANIMAL MODELS OF DIABETES, ESPECIALLY NONHUMAN PRIMATES	OPEN

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HRUBY, VICTOR J. BS UNIV OF NORTH DAKOTA 1960 PHD CORNELL UNIVERSITY 1965	PROFESSOR DEPARTMENT OF CHEMISTRY UNIVERSITY OF ARIZONA	VISITING PROFESSOR RECTORS LECTURER	PEPTIDE HORMONES, CONFORMATION-ACTIVITY RELATIONSHIPS; GLUCAGON & DIABETES	OPEN
HULTQUIST, DONALD E. BS UNIVERSITY OF ROCHESTER 1956 BS UNIVERSITY OF FLORIDA 1948 PHD YALE 1962	PROFESSOR DEPT BIOLOGICAL CHEMISTRY UNIVERSITY OF MICHIGAN	RESEARCH PROGRAM FOR MINORITY STUDENTS	ERYTHROCYTE BIOCHEMISTRY; ENZYME MECHANISM; BIOCHEMISTRY OF DISEASE; BIOCHEMICAL EDUCATION	OPEN
IMPRAIM, CHAKA C. BS KUMASI 1975 PHD LONDON 1980	DIV CYTOGENETICS AND CYTOLOGY CITY OF HOPE NATIONAL MED CENTER		USE OF SYNTHETIC OLIGONUCLEOTIDE PROBES FOR GENOTYPING	OPEN
JEFFAY, HENRY BS UNIVERSITY OF WISCONSIN 1948 PHD UNIVERSITY OF WISCONSIN 1953	PROFESSOR COLLEGE OF MEDICINE UNIVERSITY OF ILLINOIS		ENERGY METABOLISM; BODY WEIGHT REGULATION; PROTEIN METABOLISM/NUTRITION; ROLE OF SCIENTIST IN BIOMEDICAL RESEARCH	OPEN
JOHNSON, JOE BS TENNESSEE STATE UNIV 1958 PHD UNIVERSITY OF MINNESOTA 1966	ASSISTANT CHANCELLOR FOR SCIENCE RESEARCH & DEVELOPMENT DEPARTMENT OF CHEMISTRY ATLANTA UNIVERSITY	UNCF VISITING LECTURER; MARC VISITING SCIENTIST, 1981-82, 1982-83, 1983-84	BIOCHEMICAL CHARACTERIZATION OF MESSENGER RNA; GENETIC ENGINEERING	OPEN
KIMELBERG, HAROLD K. BSC UNIV LONDON 1963 PHD SUNY 1968	ASSOCIATE PROFESSOR DEPT NEUROSURGERY & BIOCHEMISTRY COLLEGE OF MEDICINE ALBANY MEDICAL COLLEGE		CELL CULTURE OF BRAIN CELLS; TRANSPORT OF IONS AND ELECTRICITY ACROSS CELL MEMBRANES	OPEN
KIRSCHENBAUM, DONALD M. BS CITY COLLEGE 1950 PHD COLUMBIA 1956	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMISTRY COLLEGE OF MEDICINE DOWNSTATE MEDICAL CENTER	FACULTY EXCHANGE SCHOLAR	USES OF ENZYMES IN THERAPY; HEMOGLOBIN STRUCTURE & DISEASE	OPEN
KITTO, G. BARRIE BS VICTORIA UNIVERSITY 1961 PHD BRANDEIS UNIVERSITY 1966	PROFESSOR OF CHEMISTRY DEPARTMENT OF CHEMISTRY UNIVERSITY OF TEXAS	MARC VISITING SCIENTIST, 1983-84	BIOLOGICAL CONTROL OF INSECT PESTS; APPROACHES TO PHENYLKETONURIA THERAPY; INVERTEBRATE HEMOGLOBINS	FALL 1985 SPRING 1986
KOBAYASHI, YUTAKA BS IOWA STATE UNIVERSITY 1946 PHD UNIVERSITY OF IOWA 1953	SUPERVISOR APPLICATIONS LAB DUPONT NEW PRODUCTS		RADIOISOTOPES AND RESEARCH; LIQUID SCINTILLATION COUNTING COURSE; USE OF RADIOISOTOPES IN MEDICAL RESEARCH	OPEN
KROGMANN, DAVID AS CATHOLIC UNIVERSITY 1953 PHD JOHNS HOPKINS UNIV 1957	PROFESSOR DEPARTMENT OF BIOCHEMISTRY PURDUE UNIVERSITY	HAS LECTURED IN SPANISH	BIOCHEMISTRY OF PHOTOSYNTHESIS, NITROGEN FIXATION AND PHOTOSYNTHESIS IN CYANOBACTERIA, CYTOCHROME STRUCTURE AND EVOLUTION	OPEN
KUMAR, S. ANAND BSC UNIV OF MYSORE/INDIA 1954 PHD INDIAN INST OF SCIENCE 1963	RESEARCH SCIENTIST DIVISION OF LABS & RESEARCH NEW YORK STATE DEPT OF HEALTH		BIOCHEMISTRY; ENZYMOLOGY; NUCLEIC ACIDS	OPEN
LANG, CALVIN A. - SEE AMERICAN INSTITUTE OF NUTRITION				
LANGE, CHARLES F. - SEE AMERICAN ASSOCIATION OF IMMUNOLOGISTS				
LAST, JEROLD A. BS UNIVERSITY OF WISCONSIN 1959 PHD OHIO STATE UNIVERSITY 1966	PROFESSOR DEPT INTERNAL MEDICINE AND BIOLOGICAL CHEMISTRY CALIFORNIA PRIMATE RESEARCH CTR UNIVERSITY OF CALIFORNIA	SUMMER ENRICHMENT PROGRAM FOR MINORITY UNDERGRADUATES; MARC VISITING SCIENTIST, 1981-82	HEALTH EFFECTS OF AIR POLLUTION; LUNG DEFENSE MECHANISMS; BIOCHEMISTRY OF COLLAGEN AND CONNECTIVE TISSUE	OPEN
LEAVIS, PAUL C. BS UNIVERSITY OF NOTRE DAME 1966 PHD TUFTS UNIVERSITY 1971	STAFF SCIENTIST DEPARTMENT OF MUSCLE RESEARCH BOSTON BIOMEDICAL RESEARCH INST		BIOCHEMISTRY OF MUSCLE CONTRACTION, FLUORESCENCE SPECTROSCOPY AND PROTEIN STRUCTURE	OPEN
LEBOWITZ, JACOB BS BROOKLYN COLLEGE 1957 PHD PURDUE UNIVERSITY 1962	PROFESSOR DEPARTMENT OF MICROBIOLOGY UNIVERSITY OF ALABAMA	MARC VISITING SCIENTIST, 1982-83	STRUCTURE OF SUPERCOILED DNA; CONTROL OF TRANSCRIPTION; HISTORY OF THE DISCOVERY OF SUPERCOILED DNA	OPEN
LEE, HENRY J. BS SEOUL NATIONAL UNIV 1964 PHD OKLAHOMA STATE UNIV 1971	PROFESSOR SCHOOL OF PHARMACOLOGY FLORIDA A&M UNIVERSITY	MINORITY BIOMEDICAL RESEARCH	NEW ANTI-INFLAMMATORY STEROIDS	OPEN
LENHOFF, HOWARD M. BA COE COLLEGE 1950 PHD JOHNS HOPKINS UNIV 1955	PROFESSOR DEVELOPMENT & CELL BIOLOGY FACULTY RESEARCH FACILITY UNIVERSITY OF CALIFORNIA	TEACHER, HOWARD UNIVERSITY PHELPS PROGRAM	PEPTIDE CONTROL OF BEHAVIOR IN HYDRA, IMMOBILIZED ENZYMES, HORMONAL CONTROL OF HUMAN SEXUAL DIFFERENTIATION AND PHYSIOLOGY, HISTORY OF GRAFTING	OPEN
LEUNG, BENJAMIN S. BS SEATTLE PACIFIC COLLEGE 1963 PHD COLORADO STATE UNIV 1969	ASSOCIATE PROFESSOR OBSTETRICS AND GYNECOLOGY MEDICAL SCHOOL UNIVERSITY OF MINNESOTA		HORMONES AND CANCER; MECHANISMS OF STEROID HORMONE ACTION; UTILITY OF RECEPTOR ASSAY FOR CLINICAL MANAGEMENT OF BREAST AND GYNECOLOGIC CANCERS	OPEN
LIBERTI, JOSEPH P. BS FAIRLEIGH DICKINSON 1959 PHD LOYOLA UNIVERSITY 1964	PROFESSOR DEPARTMENT OF BIOCHEMISTRY MEDICAL COLLEGE OF VIRGINIA VIRGINIA COMMONWEALTH UNIVERSITY	LECTURED TO MINORITY HIGH SCHOOL STUDENTS	HORMONAL REGULATION OF GROWTH AND DEVELOPMENT	OPEN
MALAMUD, DANIEL BA UNIVERSITY OF MICHIGAN 1961 PHD UNIVERSITY OF CINCINNATI 1965	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF PENNSYLVANIA	VISITING LECTURER	NEW APPROACHES IN TUMOR BIOLOGY; ANTI-BACTERIAL PROTEINS IN HUMAN SALIVA; MECHANISMS OF HORMONE ACTION	OPEN

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MANSOUR, TAG E. BVS CAIRO UNIVERSITY 1946 PHD UNIV BIRMINGHAM/ENG 1949	PROFESSOR AND CHAIRMAN DEPARTMENT OF PHARMACOLOGY STANFORD UNIVERSITY MEDICAL SCHOOL		CHEMOTHERAPY; REGULATION OF GLYCOLYTIC ENZYMES	OPEN
MARKS, NEVILLE BA UNIVERSITY OF LONDON 1955 PHD UNIVERSITY OF LONDON 1960	PRIN RESEARCH SCIENTIST CENTER FOR NEUROCHEMISTRY NATHAN KLINE INST PSYCHIAT RES		NEUROPEPTIDES - METABOLISM AND RELEVANCE TO BRAIN FUNCTION; NEUROCHEMISTRY	OPEN
MARTIN, NANCY AB PITZER COLLEGE 1970 PHD HARVARD 1975	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMISTRY HEALTH SCIENCE CENTER UNIVERSITY OF TEXAS/DALLAS	SUMMER ENRICHMENT PROGRAM FOR MINORITY UNDERGRADUATES; MARC VISITING SCIENTIST, 1983-84	GENETIC ENGINEERING; MITOCHONDRIAL BIOGENESIS	OPEN
MATHEWS, CHRISTOPHER K. BA REED COLLEGE 1958 PHD UNIV OF WASHINGTON 1962	PROFESSOR AND CHAIRMAN DEPT BIOCHEMISTRY & BIOPHYSICS OREGON STATE UNIVERSITY	MARC VISITING SCIENTIST, 1983-84	NUCLEOTIDE AND NUCLEIC ACID METABOLISM; VIRUS BIOCHEMISTRY; ANTICANCER AND ANTIVIRAL CHEMOTHERAPY; MOLECULAR CLONING	FALL 1985 SPRING 1986
MCCONNELL, DAVID G. AB COLUMBIA 1949 PHD INDIANA UNIVERSITY 1957	PROFESSOR DEPARTMENT OF BIOCHEMISTRY MICHIGAN STATE UNIVERSITY	VISITING PROFESSOR	BIOCHEMISTRY OF VISION	OPEN
MCGEACHIN, ROBERT L. BS UNIVERSITY OF NEBRASKA 1939 PHD WASHINGTON UNIVERSITY 1942	PROFESSOR DEPARTMENT OF BIOCHEMISTRY SCHOOL OF MEDICINE UNIVERSITY OF LOUISVILLE		CARBOHYDRATE METABOLISM; BIOCHEMISTRY OF DIABETES	OPEN
MCKENNA, CHARLES E. BA OAKLAND UNIVERSITY 1966 PHD UNIVERSITY OF CALIFORNIA 1971	ASSOCIATE PROFESSOR DEPARTMENT OF CHEMISTRY UNIV OF SOUTHERN CALIFONRIA		NITROGENASE-KEY LINK IN THE WORLD'S FOOD SUPPLY; BETTER KISSING THRU CHEMISTRY ANTI-HERPES AGENTS	OPEN
MEHLER, ALAN H. AB WASHINGTON UNIVERSITY 1942 PHD NEW YORK UNIVERSITY 1948	PROFESSOR DEPARTMENT OF BIOCHEMISTRY HOWARD UNIV COLLEGE OF MEDICINE		ENZYMES OF RECOMBINANT DNA TECHNOLOGY; AMINOACYL-tRNA SYNTHETASES; STRUCTURE & FUNCTION OF ENZYMES	OPEN
MEYER, WILLIAM L. BS YALE 1956 PHD UNIV OF WASHINGTON 1962	PROFESSOR DEPARTMENT OF BIOCHEMISTRY COLLEGE OF MEDICINE UNIVERSITY OF VERMONT	MINORITY BIOMEDICAL SUPPORT SYMPOSIA; MARC SUMMER RESEARCH ADVISOR; MINORITY GRADUATE STUDENT ADVISORY COMMITTEE; MARC VISITING SCIENTIST, 1982-83, 1983-84	BIOCHEMISTRY; ENZYMOLOGY; RIBONUCLEASES; PROTEASES; MUSCULAR DYSTROPHY	OPEN
MIDDAUGH, C. RUSSELL BS UNIVERSITY OF CALIFORNIA 1973 PHD CORNELL UNIVERSITY 1978	ASSISTANT PROFESSOR BIOCHEMISTRY UNIVERSITY OF WYOMING		ABNORMAL PROTEIN SOLUBILITY AND DISEASE	OPEN
MORRIS, ROY O. BS UNIVERSITY COL LONDON 1955 PHD UNIVERSITY COL LONDON 1959	PROFESSOR DEPARTMENT OF AGRICULTURE CHEM OREGON STATE UNIVERSITY		PLANT TUMORS, HORMONES AND GENETIC ENGINEERING WITH AGROBACTERIUM TUMEFACIENS	OPEN
NESS, GENE C. BS BEMIDJI STATE UNIVERSITY 1966 PHD UNIV OF NORTH DAKOTA 1971	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMISTRY COLLEGE OF MEDICINE UNIVERSITY OF SOUTH FLORIDA		REGULATION OF CHOLESTEROL BIOSYNTHESIS; ATHEROSCLEROSIS	OPEN
NIHEI, TAICHI BSC JAPAN 1952 PHD JAPAN 1958	PROFESSOR DEPARTMENT OF MEDICINE UNIVERSITY OF ALBERTA		BIOCHEMISTRY AND DEVELOPMENT OF MUSCLE; MUSCLE DISEASES	OPEN
O'CONNOR, JOHN D. BS LOYOLA UNIVERSITY 1963 PHD NORTHWESTERN UNIV 1968	PROFESSOR DEPARTMENT OF BIOLOGY UNIVERSITY OF CALIFORNIA	MARC PROGRAMS IN ALBUQUERQUE	MODE OF ACTION OF STEROID HORMONES; ALTERATIONS IN CELL CYCLES DURING DEVELOPMENT	OPEN
O'LEARY, MARION H. BS UNIVERSITY OF ILLINOIS 1963 PHD MIT 1966	PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF WISCONSIN	COORDINATOR, MINORITY GRADUATE AFFAIRS	ENZYMES-MECHANISMS OF ACTION	OPEN
ODELL, GEORGE V. BS OKLAHOMA STATE 1960 PHD TEXAS A&M 1964	PROFESSOR DEPARTMENT OF BIOCHEMISTRY OKLAHOMA STATE UNIVERSITY	ACS STUDENT AFFILIATE SPEAKER	SNAKE & SPIDER VENOM TOXINS; VENOM MYOTOXINS: ISOLATION & CHARACTERIZATION	OPEN
OUELLETTE, ANDRE JOSEPH BS UNIVERSITY OF MAINE 1969 PHD INDIANA UNIVERSITY 1972	ASSOCIATE BIOCHEMIST SHRINER BURNS INSTITUTE CELL BIOLOGY UNIT MASSACHUSETTS GENERAL HOSPITAL		EUKARYOTIC GENE EXPRESSION, MAMMALIAN GROWTH AND DEVELOPMENT; APPLICATIONS OF RECOMBINANT DNA TO DEVELOPMENTAL QUESTIONS	OPEN
PENNINGTON, SAM BS PITTSBURGH STATE UNIV 1964 PHD KANSAS STATE UNIVERSITY 1967	PROFESSOR DEPARTMENT OF BIOCHEMISTRY EAST CAROLINA UNIVERSITY	MARC VISITING SCIENTIST, 1981-82	HOW TO GET INTO MEDICAL SCHOOL; FETAL ALCOHOL SYNDROME	OPEN
PONNAMPERUMA, CYRIL BSC ENGLAND 1949 PHD UNIVERSITY OF CALIFORNIA 1962	DIRECTOR LAB OF CHEMICAL EVOLUTION UNIVERSITY OF MARYLAND	VISITING SCHOLAR, AAAS CHATAUQUA PROGRAM; MARC VISITING SCIENTIST, 1981-82	ORIGIN OF LIFE; LIFE BEYOND THE EARTH; SEARCH FOR EXTRA-TERRESTRIAL LIFE	OPEN
PRASAD, CHANDAN BS G B PANT UNIV/INDIA 1964 PHD LSU/BATON ROUGE 1970	ASSOCIATE PROFESSOR DEPT MEDICINE AND BIOCHEMISTRY MEDICAL CENTER LOUISIANA STATE UNIVERSITY		NEUROPEPTIDES, NEUROCHEMISTRY AND NEUROENDOCRINOLOGY	OPEN
REICHMANN, M.E. MSC HEBREW UNIV, ISRAEL 1949 PHD HEBREW UNIV, ISRAEL 1951	PROFESSOR DEPARTMENT OF MICROBIOLOGY UNIVERSITY OF ILLINOIS		MOLECULAR BIOLOGY; ANIMAL VIRUSES	OPEN
RICHMOND, JONAS E. PHD UNIVERSITY OF ROCHESTER 1953	DEPT OF NUTRITIONAL SCIENCES UNIV OF CALIFORNIA, BERKELEY	MARC VISITING SCIENTIST, 1981-82	BIOPHYSICS, BIOCHEMISTRY; EMBRYOGENESIS	OPEN

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RODWELL, VICTOR W. PHD UNIVERSITY OF KANSAS 1966	PROFESSOR DEPARTMENT OF BIOCHEMISTRY PURDUE UNIVERSITY	DIRECTOR, PURDUE-MARC SUMMER RESEARCH PROGRAM; ASBC MINORITIES IN SCIENCE COMMITTEE	REGULATION OF CHOLESTEROL BIOSYSTHESIS	OPEN
ROSENTHAL, HAROLD L. - SEE AMERICAN INSTITUTE OF NUTRITION				
ROSES, ALLEN D. BS UNIVERSITY OF PITTSBURGH 1963 MD UNIV OF PENNSYLVANIA 1967	PROFESSOR AND CHIEF DIVISION OF NEUROLOGY SCHOOL OF MEDICINE DUKE UNIVERSITY	MARC VISITING SCIENTIST, 1983-84	MYASTHENIA GRAVIS-AN EXAMPLE OF CLINICAL & BASIC RESEARCH PROGRESS	OPEN
ROUFA, DONALD J. AB AMHERST 1965 PHD JOHNS HOPKINS UNIV 1970	PROFESSOR DIVISION OF BIOLOGY KANSAS STATE UNIVERSITY		SOMATIC ANIMAL CELL MUTANTS AS AN APPROACH TO MAMMALIAN GENETIC BIOCHEMISTRY; MAMMALIAN RIBOSOMAL PROTEIN GENES	OPEN
RUSSELL, CHARLOTTE S. BA BROOKLYN COLLEGE 1946 PHD COLUMBIA UNIVERSITY 1961	PROFESSOR DEPARTMENT OF CHEMISTRY CITY COLLEGE OF NEW YORK		BIOSYNTHESIS OF PORPHYRINS; LECTIN ACTIVITY IN NEREIS	OPEN
RUTMAN, ROBERT J. BS PENNSYLVANIA STATE 1940 PHD UNIVERSITY OF CALIFORNIA 1950	PROFESSOR DEPARTMENT OF ANIMAL BIOLOGY SCHOOL OF VETERINARY MEDICINE UNIVERSITY OF PENNSYLVANIA	UNIVERSITY OF PENNSYLVANIA MINORITY & FOREIGN EXCHANGE PROGRAM; MARC VISITING SCIENTIST, 1981-82, 1982-83, 1983-84	ANTI-CANCER DRUGS, CARCINOGENESIS, MOLECULAR BIOLOGY, MEMBRANE BIOCHEMISTRY, HIGH TECH BIOLOGY OPPORTUNITIES	MAR-JULY SEPT-DEC
SAFFRAN, MURRAY BS MCGILL UNIVERSITY 1945 PHD MCGILL UNIVERSITY 1949	PROFESSOR DEPARTMENT OF BIOCHEMISTRY MEDICAL COLLEGE OF OHIO	PREMATRICULATION PROGRAM FOR MINORITY STUDENTS AT THE MEDICAL COLLEGE OF OHIO	HORMONES OF THE BRAIN	OPEN
SANDERS, ROBERT B. BS PAINE COLLEGE 1959 PHD UNIVERSITY OF MICHIGAN 1964	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMSITRY UNIVERSITY OF KANSAS	ASBC LECTURER/RECRUITER PROGRAM	CAREERS IN BIOCHEMISTRY; BIOCHEMISTRY OF HORMONE ACTION	OPEN
SCHULMAN, MARTIN P. - SEE AMERICAN SOCIETY FOR PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS				
SCOUTEN, WILLIAM H. BA HOUGHTON COLLEGE 1964 PHD UNIVERSITY OF PITTSBURGH 1969	PROFESSOR AND CHAIRMAN DEPARTMENT OF CHEMISTRY BAYLOR UNIVERSITY		AFFINITY CHROMATOGRAPHY; MEDICAL ASPECTS OF SOLID PHASE BIOCHEMISTRY; MULTI-ENZYME COMPLEXES	OPEN
SHIH, JEAN CHEN BS NATIONAL TAIWAN UNIV 1964 PHD UNIVERSITY OF CALIFORNIA 1968	ASSOCIATE PROFESSOR SCHOOL OF PHARMACY UNIV OF SOUTHERN CALIFORNIA		NEUROTRANSMITTER RECEPTORS, ENZYMOLOGY, PROTEIN, MONO-AMINE OXIDASE ISOZYME AND ITS IMPLICATION IN AGING AND MENTAL DEPRESSION	OPEN
SIEKEVITZ, PHILIP BS PHILA COL PHARM & SCI 1942 PHD UNIVERSITY OF CALIFORNIA 1949	PROFESSOR DEPARTMENT OF CELL BIOLOGY ROCKEFELLER UNIVERSITY		NEUROBIOLOGY; CELL BIOLOGY-GENERAL AND SPECIFIC TO NEUROSCIENCES	OPEN
SILVER, SIMON BA UNIVERSITY OF MICHIGAN 1957 PHD MIT 1962	PROFESSOR DEPARTMENT OF BIOLOGY WASHINGTON UNIVERSITY	FACULTY ADVISOR TO MINORITY STUDENTS	BACTERIAL MOLECULAR GENETICS; BIOCHEMSITRY; PHYSIOLOGY	OPEN
SINGHAL, RAM P. BS LUCKNOW UNIV/INDIA 1958 DSC FRANCE 1967	ASSOCIATE PROFESSOR DEPARTMENT OF CHEMISTRY WICHITA STATE UNIVERSITY	SCRIPPS RES INST, VISITING SCIENTIST, 1974; NSF FOREIGN SCIENTIST EXCHANGE PROGRAM, 1975 NIH SPECIAL EXPERT, 1982-83	MODERN ART OF HPLC & APPLICATION IN BIOCHEMISTRY; STRUCTURE-FUNCTION RELATIONSHIP IN NUCLEIC ACIDS; CHEMICAL REACTIVITY OF NUCLEIC ACID COMPONENTS	OPEN
SRIVASTAVA, BEJAI BS G F COLLEGE, INDIA 1952 PHD UNIV OF SASKATCHEWAN 1960	ASSOC CANCER RESEARCH SCIENT ROSWELL PARK MEMORIAL INSTITUTE		BIOCHEMISTRY OF HUMAN CANCER; AGING; PLANT TUMORS; PLANT HORMONES; PLANT SENESCENCE	OPEN
SRIVASTAVA, PRAKASH N. BS LUCKNOW UNIV, INDIA 1949 PHD CAMBRIDGE UNIVERSITY 1965	PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF GEORGIA		BIOCHEMISTRY OF FERTILIZATION	OPEN
STERN, ROBERT BA HARVARD 1957 MD UNIV OF WASHINGTON 1962	ASSOCIATE PROFESSOR DEPARTMENT OF PATHOLOGY UNIVERSITY OF CALIFORNIA	MARC VISITING SCIENTIST, 1982-83	CANCER RESEARCH; CONNECTIVE TISSUE PROBLEMS IN BLACK POPULATION	OPEN
STERNGLANZ, ROLF AB OBERLIN COLLEGE 1960 PHD HARVARD UNIVERSITY 1967	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMISTRY STATE UNIVERSITY OF NEW YORK		MOLECULAR GENETICS; DNA REPLICATION, RNA TRANSCRIPTION AND REGULATION; MOLECULAR BIOLOGY	OPEN
SUELTER, CLARENCE H. BS KANSAS STATE UNIVERSITY 1951 PHD IOWA STATE UNIVERSITY 1959	PROFESSOR DEPARTMENT OF BIOCHEMISTRY MICHIGAN STATE UNIVERSITY	NSF FOREIGN SCIENTIST EXCHANGE PROGRAM	COMPARATIVE ENZYMOLOGY OF NORMAL & DYSTROPHIC MUSCLE	OPEN
TANENBAUM, STUART W. BS CCNY 1944 PHD COLUMBIA UNIVERSITY 1951	DEAN DEPARTMENT OF CHEMISTRY SUNY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY	SCIENCE PRESENTATIONS TO MINORITY HIGH SCHOOLS, COLLEGES, GRAD SCHOOLS	FUNGAL METABOLITES IN THE SERVICE OF BIOLOGY-THE CYTO-CHALASINS; CHEMICAL ECOLOGY OF MICROORGANISMS; COMPARATIVE BIO-CHEMISTRY OF NEURAMINIDASES	OPEN
TRITSCH, GEORGE L. BA NEW YORK UNIVERSITY 1948 PHD PURDUE UNIVERSITY 1954	CANCER RESEARCH SCIENTIST ROSWELL PARK MEMORIAL INSTITUTE		PURINE METABOLISM AND RELATED TOPICS IN CHEMOTHERAPY OF CANCER SUPEROXIDE PRODUCTION BY MACRO PHAGES; ENZYMOLOGY OF PURINE SALVAGE PATHWAY	OPEN
TURNER, RALPH B. BS VA POLYTECHNICAL INST 1952 PHD UNIVERSITY OF TEXAS 1963	RESEARCH BIOCHEMIST DEPT ENTOMOLOGY AND PLANT PATH NEW MEXICO STATE UNIVERSITY		PROTEOLYTIC ENZYMES OF HONEY BEE SEMEN; PROTEOLYTIC ENZYMES IN INSECT EMBRYOGENESIS	OPEN

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VILLAFRANCA, JOSEPH J. BS SUNY 1965 PHD PURDUE 1969	PROFESSOR DEPARTMENT OF CHEMISTRY PENNSYLVANIA STATE UNIVERSITY		STRUCTURE-FUNCTION RELATIONSHIPS IN ENZYMIC REACTIONS; CONTROL OF ALLOSTERIC ENZYMES	OPEN
VILLEE, CLAUDE A. BS FRANKLIN & MARSHALL 1937 PHD UNIVERSITY OF CALIFORNIA 1941	PROFESSOR DEPT BIOLOGICAL CHEMISTRY MEDICAL SCHOOL HARVARD UNIVERSITY	LECTURER, HARVARD PROGRAM FOR MINORITY STUDENTS; MARC VISITING SCIENTIST, 1981-82	ENDOCRINOLOGY; POPULATION PROBLEMS; SELECTED ASPECTS OF BIOLOGY	OPEN
VLADUTIU, GEORGIRENE D. BS SYRACUSE UNIVERSITY 1966 MS STATE UNIV OF NEW YORK 1970 PHD STATE UNIV OF NEW YORK 1973	RESEARCH ASSOCIATE PROFESSOR DEPARTMENT OF PEDIATRICS CHILDREN'S HOSPITAL OF BUFFALO STATE UNIV OF NEW YORK/BUFFALO		WOMEN IN SCIENCE; BIOCHEMICAL GENETICS/RES IN INBORN ERRORS OF METABOLISM & DEVELPMT OF GENETIC SCREENING TESTS; GRANT PROPOSAL PREPARATION; RES FUNDING SOURCES	OPEN
WAGH, PREMANAND V. BSC INDIA 1954 PHD UNIVERSITY OF MINNESOTA 1965	RESEARCH ASSOCIATE PROFESSOR DEPARTMENT OF BIOLOGICAL SCIENCE DIV CELL AND MOLECULAR BIOLOGY SUNY		CARBOHYDRATE BIOCHEMISTRY; GLYCOPROTEINS-STRUCTURE AND FUNCTION; CARBOHYDRATE CHEMISTRY	OPEN
WATSON, JOHN A. BS ILLINOIS INST OF TECH 1964 PHD UNIVERSITY OF ILLINOIS 1968	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF CALIFORNIA	MARC VISITING SCIENTIST, 1983-84	REGULATION OF CHOLESTEROL AND NON-STEROL ISOPRENOID SYNTHESIS	OPEN
WEINER, HENRY BS CASE INSTITUTE OF TECH 1959 PHD PURDUE UNIVERSITY 1963	PROFESSOR DEPARTMENT OF BIOCHEMISTRY PURDUE UNIVERSITY		ETHANOL METABOLISM; REGULATION OF ENZYME ACTION; GENERAL METABOLISM; DESIGN OF ACTIVE SITE INHIBITORS	OPEN
WELLS, IBERT C. AB CENTRAL METHODIST COL 1942 PHD ST LOUIS UNIVERSITY 1948	PROFESSOR DEPARTMENT OF BIOCHEMISTRY SCHOOL OF MEDICINE CREIGHTON UNIVERSITY		BIOCHEMISTRY OF DISEASE	OPEN
WESTLEY, JOHN PHB UNIVERSITY OF CHICAGO 1948 PHD UNIVERSITY OF CHICAGO 1954	PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF CHICAGO	NSF RIAS PROGRAM; MARC VISITING SCIENTIST, 1981-82, 1983-84	ENZYME KINETICS & MECHANISM; SULFUR BIOCHEMISTRY; CYANIDE IN BIOLOGY; ENZYMIC MEMORY	SUMMER & FALL, 1985
WHEELIS, MARK L. AB UNIVERSITY OF CALIFORNIA 1965 PHD UNIVERSITY OF CALIFORNIA 1969	DEPARTMENT OF BACTERIOLOGY UNIVERSITY OF CALIFORNIA		AUTOTROPHIC BACTERIA, METHYLOTROPHIC BACTERIA, ENERGETICS OF CHEMOAUTOTROPHIC BACTERIA	OPEN
WIGLER, PAUL W. BS CUNY 1950 PHD UNIVERSITY OF CALIFORNIA 1958	PROFESSOR DEPARTMENT OF CHEMISTRY UNIVERSITY OF TENNESSEE		BIOCHEMISTRY; TOXICOLOGY BIOCHEMICAL PHARMACOLOGY	OPEN
WINER, ALFRED D. BS NORTHEASTERN UNIVERSITY 1946 PHD DUKE UNIVERSITY 1957	ASSOCIATE PROFESSOR DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF KENTUCKY		PYRIDINE NUCLEOTIDE DEPENDENT DEHYDROGENASES; HORMONAL INFLUENCES IN THE MALE REPRODUCTIVE SYSTEM	OPEN
YANG, SHEN K. BS NATIONAL TAIWAN UNIV 1964 PHD YALE UNIVERSITY 1972	PROFESSOR DEPARTMENT OF PHARMACOLOGY SCHOOL OF MEDICINE UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES		CHEMICAL CARCINOGENESIS: ENVIRONMENTAL OCCURRENCE, CHEMISTRY, METABOLISM AND BIOLOGICAL EFFECTS OF POLYCYCLIC AROMATIC HYDROCARBONS	OPEN
YIELDING, K. LEMONE BS AUBURN UNIVERSITY 1949 MS UNIVERSITY OF ALABAMA 1952 MD UNIVERSITY OF ALABAMA 1954	CHAIRMAN AND PROFESSOR DEPARTMENT OF ANATOMY UNIVERSITY OF SOUTH ALABAMA COLLEGE OF MEDICINE		PHOTO AFFINITY LABELING OF DRUG RECEPTORS, DNA DAMAGE, REPAIR, AND BIRTH DEFECTS	OPEN

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ALLEN, DONALD O. BS FERRIS STATE COLLEGE 1962 PHD MARQUETTE UNIVERSITY 1967	PROFESSOR AND CHAIRMAN DEPARTMENT OF PHARMACOLOGY SCHOOL OF MEDICINE UNIVERSITY OF SOUTH CAROLINA		METABOLIC CONTROL MECHANISMS, ADIPOSE TISSUE METABOLISM	OPEN
ALVARES, ALVITO P. BSC INDIA 1957 PHD UNIVERSITY OF CHICAGO 1966	PROFESSOR DEPARTMENT OF PHARMACOLOGY UNIFORMED SERVICES UNIVERSITY OF HEALTH SCIENCES		BIOTRANSFORMATION OF DRUGS; ENVIRONMENTAL PHARMACOLOGY	OPEN
BARNES, CHARLES D. - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
BEATTIE, CRAIG W. BS FAIRLEIGH DICKINSON 1965 PHD UNIVERSITY OF DELAWARE 1970	ASSOCIATE PROFESSOR DIVISION OF SURGICAL ONCOLOGY MEDICAL CENTER UNIVERSITY OF ILLINOIS	MOOREHOUSE COLLEGE, SCH OF MED ATLANTA, GA, 1979-1981	ENDOCRINE PHYSIOLOGY; PHARMACOLOGY-ENDOCRINE CORRELATES TO NEOPLASTIC TRANSFORMATION AND GROWTH	OPEN
BENNETT, WILLIAM M. BS NORTHWESTERN 1960 MD NORTHWESTERN 1963	PROFESSOR DEPARTMENT OF MEDICINE HEALTH SCIENCES CENTER UNIVERSITY OF OREGON	VISITING LECTURER	DRUG THERAPY IN RENAL FAILURE; DRUG NEPHROTOXICITY	OPEN
BORZELLECA, JOSEPH F. BS 1952 PHD 1956	PROFESSOR DEPARTMENT OF PHARMACOLOGY & TOXICOLOGY MEDICAL COLLEGE OF VIRGINIA		TOXICOLOGY; EXTRAPOLATION OF ANIMAL DATA TO MAN; ORGANIC WATER CONTAMINANTS	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
BURNHAM, BRUCE F. BS UNIVERSITY OF UTAH 1953 PHD UCLA/BERKELEY 1960	PRESIDENT PORPHYRIN PRODUCTS, INC RESEARCH PROFESSOR DEPT OF ONCOLOGY UNIVERSITY OF UTAH MED CENTER		PORPHYRINS & CANCER, BLOOD DISORDERS, JAUNDICE	OPEN
BYRON, JOSEPH W. BSC FORDHAM UNIVERSITY 1952 PHD UNIVERSITY OF BUFFALO 1960	PROFESSOR AND CHAIRMAN DEPARTMENT OF PHARMACOLOGY SCHOOL OF MEDICINE MEHARRY MEDICAL COLLEGE	ADVISORY BOARD TO MBS AND MARC PROGRAMS; MARC VISITING SCIENTIST, 1983-84	REGULATION OF THE GROWTH AND DIFFERENTIATION OF HEMATOPOIETIC CELLS	OPEN
DAILEY, JOHN W. BS UNIVERSITY OF MARYLAND 1966 PHD UNIVERSITY OF VIRGINIA 1971	ASSOCIATE PROFESSOR DEPARTMENT OF PHARMACOLOGY MEDICAL CENTER LOUISIANA STATE UNIVERSITY	MARC VISITING SCIENTIST, 1982-83	SALT & HYPERTENSION, NERVOUS CONTROL OF CIRCULATION, DRUGS & HYPERTENSION	OPEN
DAJANI, ESAM Z. BS UNIVERSITY OF MISSOURI 1963 PHD PURDUE UNIVERSITY 1968	ASSOCIATE DIRECTOR GASTROENTEROLOGY CLINICAL RES G D SEARLE & COMPANY ADJUNCT PROFESSOR U.C.L.A.		PROSTAGLANDINS, GASTORINTESTINAL PHARMACOLOGY & PHYSIOLOGY	OPEN
DAVIS, LLOYD E. DVM OHIO STATE UNIVERSITY 1959 PHD UNIVERSITY OF MISSOURI 1963	PROFESSOR DEPT VETERINARY CLINICAL MED UNIVERSITY OF ILLINOIS	VISITING LECTURER	PAIN IN ANIMALS, ANALGESICS, SPECIES DIFFERENCES IN DISPOSITION & FATE OF DRUGS	OPEN
DE MAAR, EDMUND J. DMS NETHERLANDS 1964	SENIOR PROGRAM OFFICER WORLD HEALTH ORGANIZATION	WHO PROGRAMME, LECTURER	ESSENTIAL DRUG POLICIES, PRIMARY HEALTH CARE & HEALTH FOR ALL/2000	OPEN
DESAIAH, DURISALA BSC INDIA 1962 PHD INDIA 1969	ASSOCIATE PROFESSOR DEPARTMENT OF NEUROLOGY MEDICAL CENTER UNIVERSITY OF MISSISSIPPI	RESEARCH CONSULTING TO MINORITY SCHOOLS; MARC VISITING SCIENTIST, 1981-82, 1982-83	NEUROTOXICOLOGY, GENERAL TOXICOLOGY, ENVIRONMENTAL PHARMACOLOGY & TOXICOLOGY, NEUROLOGICAL DISORDERS, CALMODULIN	OPEN
DI PASQUALE, GENE - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
ELKO, EDWARD E. BS UNIVERSITY OF SCRANTON 1948 PHD UNIVERSITY OF TENNESSEE 1960	PROFESSOR AND ASSOCIATE DEAN BASIC HEALTH SCIENCE DEPARTMENT OF PHARMACOLOGY TEXAS COLLEGE OF OSTEOPATHIC MED	VISITING LECTURER	CARDIOVASCULAR AUTONOMIC PHARMACOLOGY	OPEN
FERGUSON, HUGH C. BS WAYNE STATE UNIVERSITY 1948 PHD PURDUE UNIVERSITY 1952	RETIRED MEAD JOHNSON AND COMPANY EVANSVILLE, IN	VISITING LECTURER	PHARMACOLOGY, DRUG SCREENING & EVALUATION, AUTONOMIC & CNS MECHANISMS & DRUG ACTION	OPEN
FLESHER, JAMES W. BS NORTHWESTERN UNIVERSITY 1949 PHD LOYOLA UNIVERSITY 1958	PROFESSOR DEPARTMENT OF PHARMACOLOGY COLLEGE OF MEDICINE UNIVERSITY OF KENTUCKY		CHEMICAL INDUCTION OF CANCER	OPEN
FUNG, ERIC BS UNIVERSITY OF WISCONSIN 1975 PHD OHIO STATE UNIVERSITY 1980	ASSISTANT PROFESSOR PHARMACOL AND BIOMEDICAL SCIENCE OHIO NORTHERN UNIVERSITY		PARKINSON'S DISEASE AND ANIMAL MODELS EMPLOYED TO TEST DOPAMINERGIC AGENTS USED IN PARKINSON'S DISEASE	OPEN
FURNER, RAYMOND L. BA WEST VIRGINIA UNIVERSITY 1965 PHD WEST VIRGINIA UNIVERSITY 1968	DEPARTMENT OF PHARMACOLOGY UNIVERSITY OF ALABAMA		GC/MS AS APPLIED TO DRUG METABOLISM & PHARMACOKINETICS	OPEN
GANONG, WILLIAM F. - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
GREENBERG, STAN - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
HACKER, MILES BS MURRAY STATE UNIVERSITY 1970 PHD UNIVERSITY OF TENNESSEE 1975	ASSISTANT PROFESSOR DEPARTMENT OF PHARMACOLOGY UNIVERSITY OF VERMONT		PHARMACOLOGY: THE DISCIPLINE THAT INTEGRATES BIOLOGY AND CHEMISTRY	OPEN
HANIG, JOSEPH PETER BS RUTGERS UNIVERSITY 1962 PHD NEW YORK MEDICAL COL 1968	ADJ ASSOCIATE PROFESSOR DEPARTMENT OF PHARMACOLOGY COLLEGE OF MEDICINE HOWARD UNIVERSITY	TRAINING SUPERVISOR OF TWO FELLOWS IN MINORITY HYPERTENSION TRAINING PROGRAM	NEUROPHARMACOLOGY, BLOOD BRAIN BARRIER, ADRENERGIC TRANSMITTERS & RECEPTORS, SYSTEMIC TOXICOLOGY	OPEN
HEIMBERG, MURRAY - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
HOOK, JERRY B. - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
HUANG, KEE C. - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
HUDGINS, PATRICIA M. BS WEST VIRGINIA UNIVERSITY 1969 PHD WEST VIRGINIA UNIVERSITY 1966	PROFESSOR DEPARTMENT OF PHYSIOLOGY KIRKSVILLE COLLEGE OF OSTEOPATHIC MEDICINE	MARC VISITING SCIENTIST, 1981-82	PHYSIOLOGY: SKELETAL MUSCLE, AUTONOMIC, EXERCISE, PHARMACOLOGY: ANTIBIOTICS, RESPIRATORY & CONTRACEPTIVE DRUGS	OPEN
INGEBRETSEN, WILLIAM R. BA LONG BEACH STATE UNIV 1967 PHD INDIANA UNIVERSITY 1973	ASSISTANT PROFESSOR DEPARTMENT OF PHARMACOLOGY SCHOOL OF MEDICINE UNIVERSITY OF SOUTH CAROLINA	VISITING LECTURER	CARDIOVASCULAR PHARMACOLOGY, ENDOCRINE PHARMACOLOGY, DIABETES & THE HEART	OPEN
JONES, DAVID J. BS UNIVERSITY OF TEXAS 1968 PHD UNIVERSITY OF TEXAS 1974	ASSOCIATE PROFESSOR DEPARTMENT OF ANESTHESIOLOGY, HEALTH SCIENCE CENTER UNIVERSITY OF TEXAS		NEUROPHARMACOLOGY OF CYCLIC NUCLEOTIDES, DENERVATION SUPERSENSITIVITY IN THE TRANSECTED SPINAL CORD, SPINAL CORD INJURY	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
KEHL, HORST BS NEW MEXICO STATE UNIV 1959 MS UNIVERSITY OF IDAHO 1963	ASSOCIATE PROFESSOR DEPARTMENT OF NEUROBIOLOGY KIRKSVILLE COLLEGE OF OSTEOPATHIC MEDICINE	UNIVERSIDAD SAN MARCO, LIMA, PERU, 1981, 1983, 1984.	PHARMACOLOGY OF HYDROXAMIC ACID; TOXICOLOGY AND SUBSTANCES OF ABUSE	OPEN
KHAIRALLAH, PHILIP - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
KOBAYASHI, YUTAKA - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
KOELLE, GEORGE B. BSC PHILADELPHIA COL OF PHAR 1939 PHD UNIV OF PENNSYLVANIA 1946 MD JOHNS HOPKINS 1950	DISTINGUISHED PROFESSOR DEPARTMENT OF PHARMACOLOGY SCHOOL OF MEDICINE UNIVERSITY OF PENNSYLVANIA	VISITING PROFESSOR AT SEVERAL UNIVERSITIES ABROAD	AUTONOMIC NS AND RELATED DRUGS; Rx OF PARKINSON'S DISEASE, EPILEPSY & MYASTHENIA GR; PSYCHOPHARMACOLOGY	OPEN
KORNETSKY, CONAN BA UNIVERSITY OF MAINE 1948 PHD UNIVERSITY OF KENTUCKY 1952	PROFESSOR PSYCHIATRY AND PHARMACOLOGY BOSTON UNIVERSITY SCHOOL OF MEDICINE		THE NEUROBEHAVIORAL BASIS OF THE EUPHORIC EFFECTS OF ABUSE DRUGS	OPEN
KOSTRZEWA, RICHARD BS PHIL COL OF PHARMACY 1965 PHD UNIV OF PENNSYLVANIA 1971	PROFESSOR DEPARTMENT OF PHARMACOLOGY COLLEGE OF MEDICINE EAST TENNESSEE STATE UNIVERSITY		REGENERATION AND SPROUTING OF NORADRENERGIC NEURONS IN THE BRAIN	OPEN
LAI, FONG M. BS TAIPEI MEDICAL COLLEGE 1966 PHD MED COLLEGE OF VIRGINIA 1974	SENIOR PHARMACOLOGIST LEDERLE LABORATORIES PEARL RIVER, NY		HYPERTENSION & TREATMENT	OPEN
LAL, HARBANS BS PUNJAB UNIVERSITY 1952 PHD UNIVERSITY OF CHICAGO 1962	PROFESSOR DEPARTMENT OF PHARMACOLOGY TEXAS COLLEGE OF OSTEOPATHIC MEDICINE	VISITING PROFESSOR FOR AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY	HYPERTENSION, NEUROBIOLOGY, PSYCHOPHARMACOLOGY, BRAIN SCIENCES	OPEN
LATHERS, CLAIRE M. BS UNION UNIVERSITY 1969 PHD SUNY/BUFFALO 1973	ASSOCIATE PROFESSOR DEPARTMENT OF PHARMACOLOGY MEDICAL COLLEGE OF PENNSYLVANIA		ROLE OF NERVOUS SYSTEM IN PRODUCTON OF CARDIO-ARRHYTHMIA; AUTONOMIC DYSFUNCTION ASSOCIATED WITH EPILEPSY	OPEN
LEHRER, GERARD M. BS CUNY-CITY COLLEGE 1950 MD NEW YORK UNIV SCH MED 1954	PROFESSOR DEPARTMENT OF NEUROLOGY THE MOUNT SINAI SCHOOL MEDICINE		NEUROGLIA DEVELOPMENT; MULTIPLE SCLEROSIS; BIOCHEM TECHNIQUES IN NERVOUS SYSTEM INVESTIGATIONS; CNS IMMUNOLOGY	OPEN
LEVINE, RUTH R. BA HUNTER 1938 PHD TUFTS UNIVERSITY 1956	PROFESSOR OF PHARMACOLOGY CHAIRMAN, DIV MED & DENT SCI ASSOC DEAN, GRAD BIOMED SCIENCE SCHOOL OF MEDICINE BOSTON UNIVERSITY	DIRECTOR, GPOP FELLOWSHIPS	PHARMACOLOGY FOR GRADUATES & COLLEGE UNDERGRADUATE	OPEN
LOO, TI LI BS GING HUA UNIV/CHINA 1940 PHD OXFORD UNIV/ENGLAND 1947	PROFESSOR UNIVERSITY OF TEXAS SYSTEM CANCER CENTER	MARC VISITING SCIENTIST, 1981-82	CANCER CHEMOTHERAPY, BIOCHEMICAL PHARMACOLOGY, PHARMACOKINETICS	OPEN
LOWENTHAL, DAVID T. BA TEMPLE 1962 MD TEMPLE 1966	PROFESSOR DEPT OF MEDICINE & PHARMACOLOGY HAHNEMANN MEDICAL COLLEGE		CARDIOVASCULAR RENAL MEDICINE & PHARMACOLOGY	OPEN
LU, FRANK MD CHEELOO UNIVERSITY 1939	CONSULTING TOXICOLOGIST MIAMI, FLORIDA	WHO TRAINING PROGRAM ON BASIC TOXICOLOGY	TOXICOLOGICAL EVALUATION: FOOD ADDITIVES & CONTAMINANTS	OPEN
MAICKEL, ROGER P. BS MANHATTAN 1956 PHD GEORGETOWN UNIVERSITY 1960	PROFESSOR SCHOOL OF PHARMACY AND PHARMACOLOGICAL SCIENCES PURDUE UNIVERSITY	VISITING PROFESSOR	PHARMACOLOGY OF DRUGS OF ABUSE, MECHANISMS OF DRUG ACTION, STRESS AND DISEASES, TOXICOLOGY, DRUG DEVELOPMENT	OPEN
MAILMAN, RICHARD B. BS RUTGERS UNIVERSITY 1968 PHD NORTH CAROLINA STATE U 1974	RESIDENT ASSOCIATE PROFESSOR DEPARTMENT OF PSYCHIATRY AND SCHOOL OF MEDICINE UNIVERSITY OF NORTH CAROLINA		PRINCIPLES OF PHARMACOLOGY, DRUGS AND THE BRAIN, FUNDAMENTALS OF TOXICOLOGY	OPEN
MANSOUR, TAG E. - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
MARWAHA, JOE - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
MAWHINNEY, MICHAEL BS GROVE CITY COLLEGE 1967 PHD WEST VIRGINIA UNIVERSITY 1970	ASSOCIATE PROFESSOR DEPARTMENT OF PHARMACOLOGY WEST VIRGINIA MEDICAL CENTER		PROSTATIC NEOPLASIA, ENDOCRINE PHARMACOLOGY, ANTIBIOTIC PHARMACOLOGY	OPEN
MCCAULEY, ROY BS OHIO STATE UNIVERSITY 1965 PHD OHIO STATE UNIVERSITY 1970	ASSOCIATE PROFESSOR DEPARTMENT OF PHARMACOLOGY WAYNE STATE UNIVERSITY		BIOCHEMICAL PHARMACOLOGY	OPEN
MEDINA, MIGUEL A. BS ST. MARY'S UNIVERSITY 1957 PHD SOUTHWESTERN MED SCH 1967	PROFESSOR DEPARTMENT OF PHARMACOLOGY UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER	MBS PROGRAM DIR, UT SAN ANTONIO	RAPID INACTIVATION OF BRAIN TISSUE BY MICROWAVE IRRADIATION; EFFECT OF DRUGS ON GLUCOSE	OPEN
MEHENDALE, HARIHARA M. BSC KARNATAKA UNIVERSITY 1963 PHD N C STATE UNIV 1969	PROFESSOR DEPT OF PHARMACOL & TOXICOL UNIVERSITY OF MISSISSIPPI MEDICAL CENTER	MARC VISITING SCIENTIST 1982-83, 1983-84	CHEMICAL INTERACTIONS OF BIOLOGICAL SIGNIFICANCE; DRUG INDUCED PULMONARY DISEASE	OPEN
MIYA, TOM S. BS UNIVERSITY OF NEBRASKA 1947 PHD PURDUE UNIVERSITY 1952	DEAN SCHOOL OF PHARMACY UNIVERSTY OF NORTH CAROLINA SCHOOL OF MEDICINE	AM ASSOC COLLEGES OF PHARMACY; MARC VISITING SCIENTIST, 1983-84	TOXICOLOGY OF CADMIUM; RISK VS BENEFIT, SCIENCE & PUBLIC POLICY; PROGRAM DEVELOPMENT FOR PHARMACOLOGY & TOXICOLOGY	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
MOORE, ALAN F. BS ENGLAND 1970 PHD ENGLAND 1974	SENIOR RESEARCH SCIENTIST NORWICH-EATON PHARMACEUTICALS	VISITING LECTURER	BLOOD PRESSURE CONTROL HYPERTENSION	OPEN
MORRIS, RALPH W. BA OHIO UNIVERSITY 1960 PHD UNIVERSITY OF IOWA 1966	PROFESSOR COLLEGE OF PHARMACY MEDICAL CENTER UNIVERSITY OF ILLINOIS	MARC VISITING SCIENTIST, 1981-82	CHRONOBIOLOGY-CHRONOPHYSIOLOGY; PATHOLOGY & PHARMACOLOGY; POSITIVE COMMUNITY DRUG EDUCATION	OPEN
MUSTAFA, S. JAMAL - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
PALMER, GENE C. BS TENNESSEE TECH UNIV 1960 PHD VANDERBILT UNIVERSITY 1968	DIRECTOR OF RESEARCH FRIST-MASSEY NEUROLOGICAL INST	MINORITY PROGRAM LECTURER; MARC VISITING SCIENTIST, 1983-84	DRUG ABUSE; PSYCHOACTIVE DRUGS IN MENTAL HEALTH; EPILEPSY; NEUROCHEMISTRY; STROKE	OPEN
PALMER, JOHN D. BS UNIVERSITY OF COLORADO 1954 PHD UNIVERSITY OF MINNESOTA 1961 MD UNIVERSITY OF MINNESOTA 1962	ASSOCIATE PROFESSOR PHARMACOLOGY UNIVERSITY OF ARIZONA COLLEGE OF MEDICINE		GENERAL PHARMACOLOGY; GENERAL INTERNAL MEDICINE	OPEN
PARMAR, SURENDRA S. BS LUCKNOW UNIV/INDIA 1948 PHD MCGILL UNIVERSITY 1957	PROFESSOR DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE UNIVERSITY OF NORTH DAKOTA	VISITING PROFESSOR	NEUROTRANSMITTERS & THEIR INVOLVEMENT IN CNS ACTIVE DRUGS; DRUG ABUSE	OPEN
POWELL, JAMES R. BA WESTERN MICHIGAN UNIV 1970 PHD UNIVERSITY OF IOWA 1975	SECTION HEAD-HYPERTENSION DEPARTMENT OF PHARMACOLOGY SQUIBB INSTITUTE OF MEDICAL RESEARCH	HYPERTENSION TRAINING PROGRAM FOR MINORITY INSTITUTIONS	CARDIOVASCULAR, AUTONOMIC PHARMACOLOGY	OPEN
PRABHU, VENKATRAY G. BSC BOMBAY UNIVERSITY 1956 PHD LOYOLA UNIVERSITY 1962	PROFESSOR AND CHAIRMAN DEPARTMENT OF PHARMACOLOGY CHICAGO COLLEGE OF OSTEOPATHIC MEDICINE		GENERAL PRINCIPLES OF DRUG ACTION; AUTONOMIC DRUGS; ANTI- BIOTICS; ANALGESICS; CARDIO- VASCULAR DRUGS; BEHAVIORAL DRUGS	OPEN
PRASAD, KEDAR N. PHD UNIVERSITY OF IOWA 1963	PROFESSOR HEALTH SCIENCES CENTER UNIVERSITY OF COLORADO	MARC VISITING SCIENTIST, 1983-84	VITAMINS & CANCER; EFFECT OF IONIZING RADIATION	OPEN
RASSIN, DAVID K. - SEE AMERICAN INSTITUTE OF NUTRITION				
REASOR, MARK J. BS PURDUE UNIVERSITY 1967 PHD JOHNS HOPKINS UNIV 1975	ASSOCIATE PROFESSOR DEPT PHARMACOLOGY & TOXICOLOGY MEDICAL CENTER WEST VIRGINIA UNIVERSITY		ANTIDOTES & TREATMENT OF POISONINGS; TOXICOLOGY OF AIR POLLUTANTS & METALS; TREATMENT OF DIABETES; SURVEY OF TOXICOLOGY	OPEN
REILLY, MARGARET ANNE BA COLLEGE OF NEW ROCHELLE 1959 PHD NEW YORK MEDICAL COL 1981	RESEARCH SCIENTIST ROCKLAND RESEARCH INSTITUTE ORANGEBURG, NY	CONFERENCE PARTICIPANT, BIO- MEDICAL CAREERS FOR WOMEN	PSYCHOPHARMACOLOGY-ANTI- DEPRESSANTS, HISTAMINES & ANTIHISTAMINES, NARCOTIC ANALGESICS	OPEN
RHEE, HERMAN M. BS CENTRAL UNIVERSITY 1963 PHD OHIO STATE UNIVERSITY 1973	ASSOCIATE PROFESSOR DEPARTMENT OF PHARMACOLOGY ORAL ROBERTS UNIVERSITY SCHOOL OF MEDICINE		RECONSTITUTION OF ION TRANSPORT WITH PURIFIED Na, K-ATPASE; APPICATION OF IMMUNOLOGICAL TECHNIQUE; MECHANISMS OF DIGITALIS ACTION	OPEN
ROBOZ, JOHN BS EOTVOS UNIV, HUNGARY 1956 MS NEW YORK UNIVERSITY 1960 PHD NEW YORK UNIVERSITY 1962	PROFESSOR DEPARTMENT OF NEOPLASTIC DISEASE THE MOUNT SINAI SCHOOL MEDICINE	LECTURER FOR MINORITIES AT HUNTER AND OTHER INSTITUTES WITHIN NEW YORK CITY SYSTEM	NEEDLE IN A HAYSTACK: ANALYTICAL BIOCHEMISTRY & PHARMACOL; MODERN METHODS FOR STUDY OF DRUGS, ENVIRONMTL TOXICANT & BIOMARKERS IN HEALTH, DISEASE, & THERAPY	SPRING FALL AND WINTER
ROESKE, WILLIAM R. AB UNIVERSITY OF CALIFORNIA 1963 MD STANFORD MEDICAL SCHOOL 1970	PROFESSOR DEPARTMENT OF INTERNAL MEDICINE HEALTH SCIENCES CENTER UNIVERSITY OF ARIZONA	VISITING LECTURER	MYOCARDIAL RECEPTORS; HYPERTENSION; CARDIOVASCULAR PHARMACOLOGY	OPEN
ROLLO, IAN M. BSC ENGLAND 1946 PHD CANADA 1968	PROFESSOR DEPT PHARMACOLOGY & THERAPEUTICS UNIVERSITY OF MANITOBA	VISITING LECTURER	FATE OF DRUGS IN THE BODY & THEIR ACTION; CHEMOTHERAPEUTICS; ANTIPARASITIC CHEMOTHERAPY	OPEN
SANDERS, ROBERT B. - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
SCHANBERG, SAUL M. BA CLARK UNIVERSITY 1954 PHD YALE UNIVERSITY 1961 MD YALE UNIVERSITY 1964	PROFESSOR DEPARTMENT OF PHARMACOLOGY AND NEUROLOGY DUKE UNIVERSITY SCHOOL OF MEDICINE		AUTONOMIC NERVOUS SYSTEM; HYPERTENSION AND ITS TREATMENT; EFFECTS OF MATERNAL DEPRIVATION ON NEUROENDOCRINE FUNCTION	OPEN
SCHULMAN, MARTIN P. BS CUNY 1944 PHD UNIVERSITY OF CALIFORNIA 1949	PROFESSOR DEPARTMENT OF PHARMACOLOGY COLLEGE OF MEDICINE UNIVERSITY OF ILLINOIS	MARC COMMITTEE MEMBER, SITE VISITIS TO NUMEROUS MINORITY SCHOOLS	ALCOHOL-DRUG INTERACTION; INFLUENCE OF AGING ON DRUG METABOLISM	OPEN
SEIFEN, ERNST E. MD MED ACADEMY, DUSSEL/GER 1957 PD UNIV OF SAARBRUCKEN/GER 1966	PROFESSOR DEPARTMENT OF PHARMACOLOGY UNIVERSITY OF ARKANSAS SCHOOL FOR MEDICAL SCIENCES	ADVISOR TO MINORITY STUDENTS	CARDIAC PHARMACOLOGY; CARDIAC PATHOPHYSIOLOGY; SHOCK & HYPOTENSION TREATMENT; LOCAL ANESTHESIA	OPEN
SHARGEL, LEON BS UNIVERSITY OF MARYLAND 1963 PHD GEORGE WASHINGTON UNIV 1969	ASSOCIATE PROFESSOR DEPT OF PHARMACY & PHARMACOLOGY MASSACHUSETTS COLLEGE OF PHARMACY AND ALLIED HEALTH SCI		BIOPHARMACEUTICS; DRUG PRODUCT SELECTION; PHARMACOKINETICS; DRUG INTERACTIONS	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
SHARMA, RAGHUBIR P. DVM UNIV OF RAJASTHAN/INDIA 1959 PHD UNIVERSITY OF MINNESOTA 1968	PROFESSOR TOXICOLOGY PROGRAM UTAH STATE UNIVERSITY		IMMUNOTOXICOLOGY, GENERAL TOXICOLOGY	OPEN
SMITH, CARL C. AB DEPAUW UNIVERSITY 1936 PHD UNIVERSITY OF CINCINNATI 1940	PROFESSOR DEPT OF ENVIRONMENTAL HEALTH COLLEGE OF MEDICINE UNIVERSITY OF CINCINNATI	MARC VISITING SCIENTIST, 1983-84	GENERAL TOXICOLOGY, DRUG METABOLISM, ENVIRONMENTAL HEALTH, BIOTRANSFORMATION, BIOCHEMICAL TOXICOLOGY	OPEN
SOMANI, PITAMBAR MD G R MEDICAL COLLEGE 1960 PHD MARQUETTE UNIVERSITY 1965	PROFESSOR DEPARTMENT OF PHARMACOLOGY MEDICAL COLLEGE OF OHIO	COMMITTEE ON MINORITY AFFAIRS; MARC VISITING SCIENTIST, 1982-83	ANTIARRHYTHMIC DRUGS, CLINICAL PHARMACOLOGY, NEW DRUG DEVELOPMENTS	OPEN
SRIVASTAVA, ASHOK K. PHD KANPUR UNIVERSITY, INDIA 1974	ASSISTANT PROFESSOR DEPARTMENT OF MEDICINE CLINICAL RESEARCH INSTITUTE OF MONTREAL		METABOLIC REGULATION INVOLVING PROTEIN PHOSPHORYLATION DEPHOSPHORYLATION MECHANISMS	OPEN
TANZ, RALPH D. BA UNIVERSITY OF ROCHESTER 1948 PHD UNIVERSITY OF COLORADO 1968	PROFESSOR DEPARTMENT OF PHARMACOLOGY MEDICAL SCHOOL UNIVERSITY OF OREGON		CALCIUM ENTRY BLOCKERS; CARDIOVASCULAR PHARMACOLOGY; IN VITRO CARDIAC PREPARATIONS	FALL 1985-SPRING 1986
TRABER, DANIEL L. - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
TRITSCH, GEORGE - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
VANMETER, WILLIAM G. AB KNOX COLLEGE 1966 PHD LOYOLA UNIVERSITY 1970	PROFESSOR DEPT VET PHYSIOLOGY & PHARM COLLEGE OF VETERINARY MEDICINE IOWA STATE UNIVERSITY		GENERAL ANESTHETICS, LOCAL ANESTHETICS, NEUROMUSCULAR JUNCTION BLOCKERS, ANTICHOLINESTERASES	OPEN
VEREBEY, KARL MA CUNY 1968 PHD CORNELL UNIV MED COL 1972	DIRECTOR CLINICAL PHARMACOLOGY DOWNSTATE MEDICAL CENTER STATE UNIVERSITY OF NEW YORK		DRUG ABUSE, OPIATE ADDICTION AND TREATMENT, ANALYTICAL DRUG DETECTION	OPEN
VISEK, WILLARD J. - SEE AMERICAN INSTITUTE OF NUTRITION				
VOLLE, ROBERT L. BS WEST VIRGINIA WESLEYAN 1953 PHD UNIVERSITY OF KANSAS 1959	PROFESSOR DEPARTMENT OF PHARMACOLOGY SCHOOL OF MEDICINE UNIVERSITY OF CONNECTICUT		AUTONOMIC NERVOUS SYSTEM, NEUROSCIENCES	OPEN
WEI, EDDIE T. AB UNIVERSITY OF CALIFORNIA 1965 PHD UNIVERSITY OF CALIFORNIA 1969	ASSOCIATE PROFESSOR DEPT BIOMEDICINE & ENVIRONMENTAL HEALTH SCIENCES UNIVERSITY OF CALIFORNIA		IN VIVO PHARMACOLOGY OF OPIOID PEPTIDES	FALL 1985-SPRING 1986
WEISS, BERNARD AB NEW YORK UNIVERSITY 1949 PHD UNIVERSITY OF ROCHESTER 1953	PROFESSOR DIVISION OF TOXICOLOGY UNIVERSITY OF ROCHESTER	VISITING LECTURER	NEUROBEHAVIORAL TOXICOLOGY	OPEN
WILK, SHERWIN BS SYRACUSE UNIVERSITY 1960 PHD FORDHAM UNIVERSITY 1967	PROFESSOR DEPARTMENT OF PHARMACOLOGY MT SINAI SCHOOL OF MEDICINE		NEUROCHEMISTRY, PEPTIDES, NEUROPHARMACOLOGY, AMINES, NEUROTRANSMITTERS	OPEN
WILLIAMS, BETTY J. AB GEORGIA COLLEGE 1968 PHD EMORY UNIVERSITY 1966	PROFESSOR DEPARTMENT OF PHARMACOLOGY MEDICAL BRANCH UNIVERSITY OF TEXAS		AUTONOMIC PHARMACOLOGY, HEAVY METAL TOXICOLOGY	OPEN
WILLS, J. HENRY - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
YANG, SHEN K. - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
YIELDING, K. LEMONE - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				

AMERICAN ASSOCIATION OF PATHOLOGISTS

ABEL, CARLOS A. - SEE AMERICAN ASSOCIATION OF IMMUNOLOGISTS				
ALEXANDER, NANCY J. BS MIAMI UNIV OF OHIO 1960 PHD UNIVERSITY OF WISCONSIN 1966	SCIENTIST AND PROFESSOR REPRODUCTIVE PHYSIOLOGY OREGON REGIONAL PRIMATE RESEARCH CENTER		IMMUNOLOGY OF REPRODUCTION, SPERM ANTIGENS	OPEN
BRINKHOUS, KENNETH M. BA UNIVERSITY OF IOWA 1929 MD UNIVERSITY OF IOWA 1932	ALUMNI DISTINGUISHED PROFESSOR DEPARTMENT OF PATHOLOGY UNIVERSITY OF NORTH CAROLINA	MINORITY PROGRAM IN BASIC MEDICAL SCIENCES	GENERAL PATHOLOGY, THROMBOSIS, ATHEROSCLEROSIS, CARDIOVASCULAR PATHOLOGY	OPEN
CHRYSSANTHOU, C. P. MD GREECE 1953	PROFESSOR OF PATHOLOGY MT SINAI SCHOOL OF MEDICINE CUNY	VISITING LECTURER	PATHOPHYSIOLOGY OF DISBARIC DISORDERS, PATHOLOGY OF SHOCK, LOCAL REACTION TO INJURY	OPEN
CHU, T. MING - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
COHEN, ELIAS - SEE AMERICAN ASSOCIATION OF IMMUNOLOGISTS				
CROCKER, DIANE W. BA WELLESLEY COLLEGE 1946 MS BROWN UNIVERSITY 1948 MD BOSTON UNIVERSITY 1952	PROFESSOR DEPARTMENT OF PATHOLOGY CENTER FOR HEALTH SCIENCES UNIVERSITY OF TENNESSEE		ENDOCRINE & REPRODUCTIVE PATHOLOGY, EFFECTS OF SMOKING ON LUNGS & RESPIRATORY SYSTEM	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
EATON, JOHN W. BA FLORIDA STATE UNIVERSITY 1963 PHD UNIVERSITY OF MICHIGAN 1969	DIRECTOR DIVISION OF MEDICAL GENETICS PROFESSOR MEDICINE AND LABORATORY MEDICINE UNIVERSITY OF MINNESOTA	MARC VISITING SCIENTIST, 1983-84	SICKLE CELL DISEASE, MALARIA, PATHOPHYSIOLOGY OF REDOX	OPEN
EPSTEIN, SHELDON BA CUNY 1954 MD UNIVERSITY OF CALIFORNIA 1962	PROFESSOR DEPARTMENT OF PATHOLOGY MEHARRY MEDICAL COLLEGE		CANCER, HEPATIC PATHOLOGY, SUSCEPTIBILITY TO INFECTIONS, ENDOCRINE & METABOLIC DISORDERS	OPEN
FAUSTO, NELSON MD BRAZIL 1960	PROFESSOR DIV OF BIOLOGY AND MEDICINE BROWN UNIVERSITY	SITE VISITOR, MARC PROGRAM, MARC VISITING SCIENTIST, 1981-82	GENE EXPRESSION IN CANCER & REGENERATION, BIOLOGY OF CANCER, LIVER REGENERATION, PATH OF CANCER IN HUMANS	OPEN
FIERER, JOSHUA A. BA ALFRED UNIVERSITY 1959 MD SUNY 1963	PROFESSOR AND CHAIRMAN DEPARTMENT OF PATHOLOGY COLLEGE OF MEDICINE UNIVERSITY OF ILLINOIS	VISITING LECTURER	PATHOBIOLOGY OF AGING, KIDNEY DISEASE, IMMUNOMODULATION, PATHOGENESIS & PATHOLOGY OF EMPHYSEMA	OPEN
FRIEDMAN, ROBERT M. BA CORNELL UNIVERSITY 1954 MD NYU COLLEGE OF MEDICINE 1958	CHAIRMAN DEPARTMENT OF PATHOLOGY UNIFORMED SERVICES UNIVERSITY OF HEALTH SCIENCES		CLINICAL & LABORATORY ASPECTS OF RESEARCH ON INTERFERONS	OPEN
GOODMAN, DAVID B.P. - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
HUDIG, DOROTHY - SEE AMERICAN ASSOCIATION OF IMMUNOLOGISTS				
KISSANE, JOHN M. AB UNIVERSITY OF ROCHESTER 1948 MD UNIVERSITY OF WASHINGTON 1952	PROFESSOR DEPARTMENT OF PATHOLOGY WASHINGTON UNIVERSITY	VISITING PROFESSOR	CLINICOPATHOLOGIC FEATURES OF RENAL BIOPSIES, CYSTIC DISEASES OF THE KIDNEY	OPEN
LAMON, EDDIE W. BS FLORENCE STATE COLLEGE 1961 MD MEDICAL COLLEGE ALABAMA 1969 DSC KAROLINSKA INST/SWEDEN 1974	PROFESSOR DEPARTMENT OF SURGERY UNIVERSITY OF ALABAMA/BIRMINGHAM	DISTINGUISHED LECTURER PROGRAM FOR MINORITY COLLEGES, MACY FOUNDATION, 1977	TUMOR BIOLOGY; IMMUNOLOGY	OPEN
MARGOLIS, GEORGE AB JOHNS HOPKINS 1936 MD DUKE UNIVERSITY 1940	PROFESSOR DEPARTMENT OF PATHOLOGY SCHOOL OF MEDICINE DARTMOUTH		NEUROPATHOLOGY	OPEN
MOLTENI, AGOSTINO MD ITALY 1957 PHD SUNY 1970	PROFESSOR DEPARTMENT OF PATHOLOGY SCHOOL OF MEDICINE NORTHWESTERN UNIVERSITY	VISITING LECTURER	PATHOLOGY OF HYPERTENSION (SYSTEMIC & PULMONARY)	OPEN
PARKER, JOSEPH C., JR. BA VIRGINIA MILITARY INST 1958 MD MED COLLEGE OF VIRGINIA 1962	PROFESSOR OF PATHOLOGY AND MEDICAL BIOLOGY COLLEGE OF MEDICINE UNIVERSITY OF TENNESSEE CENTER FOR HEALTH SCIENCES		NEUROPATHOLOGY, INFECTIOUS DISEASES, DEGENERATIVE DISEASES, STROKES, BRAIN TUMORS	OPEN
PERL, DANIEL P. AB COLUMBIA COLLEGE 1963 MD SUNY 1967	ASSOCIATE PROFESSOR DEPARTMENT OF PATHOLOGY UNIVERSITY OF VERMONT		AGING, NEUROPATHOLOGY, SENILITY	OPEN
PORTA, EDUARDO A. - SEE AMERICAN INSTITUTE OF NUTRITION				
REDDY, BANDARU S. BVS UNIVERSITY OF MADRAS 1965 PHD MICHIGAN STATE UNIV 1963	MEMBER AND HEAD DEPT NUTRITIONAL BIOCHEMISTRY NAYLOR DANA INSTITUTE FOR DISEASE PREVENTION AMERICAN HEALTH FOUNDATION	MARC VISITING SCIENTIST, 1983-84	DIET, NUTRITION AND CANCER, NUTRITION AND ENDOCRINE RELATED CANCER, NUTRITION AND GASTRO INTESTINAL CANCER, MECHANISMS OF CARCINOGENESIS	OPEN
REUBER, MELVIN D. AB UNIVERSITY OF KANSAS 1952 MD UNIVERSITY OF KANSAS 1958	PRIVATE CONSULTANT	SUMMER PROGRAMS WITH VARIOUS COLLEGES	CHEMICAL CARCINOGENESIS, CHEMICALS IN THE ENVIRONMENT, ROLE OF DIET, EXERCISE, ETC. IN OUR HEALTH	OPEN
ROGERS, ADRIANNE E. AB RADCLIFFE 1964 MD HARVARD UNIVERSITY 1968	BOSTON UNIVERSITY SCHOOL OF MEDICINE		TOXICOLOGY OF MYCOTOXINS OR OF CERTAIN PRODUCTS OF FOSSIL FUEL COMBUSTION, DIET AND CANCER, CHEMICAL CARCINOGENESIS, NUTRI TION AND CHEMICAL TOXICITY	OPEN
ROTHSCHILD, HENRY BA CORNELL 1954 MD UNIVERSITY OF CHICAGO 1958 PHD HOPKINS UNIVERSITY 1968	PROFESSOR SCHOOL OF MEDICINE LOUISIANA STATE UNIVERSITY		MEDICAL GENETICS, GERONTOLOGY, VIRAL ONCOLOGY	OPEN
SALALZAR, HERNANDO BS COLUMBIA 1950 MD COLUMBIA 1958 MPH UNIVERSITY OF PITTSBURGH 1971	ASSOCIATE PROFESSOR DEPARTMENT OF PATHOLOGY UNIVERSITY OF PITTSBURG MEDICAL SCHOOL MAGEE WOMENS HOSPITAL	MARC VISITING SCIENTIST, 1982-83	GYNECOLOGICAL PATHOLOGY, INFERTILITY & CONTRACEPTION	OPEN
SHAW, CHENG-MEI MD NATIONAL TAIWAN UNIV 1950	PROFESSOR OF PATHOLOGY DEPARTMENT OF PATHOLOGY UNIVERSITY OF WASHINGTON MEDICAL SCHOOL		DISEASES OF THE CENTRAL NERVOUS SYSTEM IN MAN; ORGANIC MERCURY POISONING IN MAN AND ANIMALS	OPEN
SHELLABARGER, CLAIRE J. - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
SMITH, JOHN A. MS UNIVERSITY OF MELBOURNE 1971 MD UNIV MISSOURI SCH MED 1974 PHD UNIVERSITY OF MELBOURNE 1978	ASSISTANT PROFESSOR DEPARTMENT OF MOLECULAR BIOLOGY HARVARD MEDICAL SCHOOL AND MASSACHUSETTS GENERAL HOSPITAL		TECHNIQUES AND STRATEGIES OF PROTEIN MICROSEQUENCE ANALYSIS, SOLID PHASE PEPTIDE/OLIGO NUCLEOTIDE SYNTHESIS	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
STUDZINSKI, GEORGE P. BS UNIVERSITY OF GLASGOW 1966 MS UNIVERSITY OF GLASGOW 1968 PHD SCOTLAND 1982	PROFESSOR & CHAIRMAN DEPARTMENT OF PATHOLOGY MEDICAL SCHOOL CMDNJ	MINORITY PROGRAMS OF NEW JERSEY MEDICAL SCHOOL	CANCER: CAUSATION, RECOGNITION & TREATMENT	OPEN
TEWARI, RAM P. - SEE AMERICAN ASSOCIATION OF IMMUNOLOGISTS				
WAGNER, WILLIAM D. BS GENEVA COLLEGE 1964 PHD WEST VIRGINIA UNIVERSITY 1970	ASSOCIATE PROFESSOR DEPT OF COMPARATIVE MEDICINE BOWMAN SCHOOL OF MEDICINE	MINORITY TRAINING PROGRAM ON HYPERTENSION, MARC VISITING SCIENTIST, 1983-84	ATHEROSCLEROSIS, ARTERIAL WALL METABOLISM & ATHEROSCLEROSIS, ANIMAL MODELS OF HUMAN ATHERO-SCLEROSIS IN BIOMEDICAL RESEARCH	OPEN
WALLACE, JOHN H. - SEE AMERICAN ASSOCIATION OF IMMUNOLOGISTS				
WELLS, ROBERT S. BS UNIVERSITY OF MICHIGAN 1971 MD UNIVERSITY OF MICHIGAN 1975	ASSOC PROFESSOR OF PATHOLOGY UNIVERSITY OF COLORADO MEDICAL SCHOOL		PATHOBIOLOGY OF CANCER	OPEN
YIELDING, K. LEMONE - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				

AMERICAN INSTITUTE OF NUTRITION

ADKINS, JAMES S. BS VIRGINIA STATE UNIV 1953 PHD UNIVERSITY OF WISCONSIN 1963	PROFESSOR DEPARTMENT OF HUMAN NUTRITION SCHOOL OF HUMAN ECOLOGY HOWARD UNIVERSITY	MARC VISITING SCIENTIST, 1982-83	FOOD & NUTRITION, SELECTED TOPICS	OPEN
ALLEN, C. EUGENE BS UNIVERSITY OF IDAHO 1961 PHD UNIVERSITY OF WISCONSIN 1966	PROFESSOR ANDREW BOSS LAB UNIVERSITY OF MINNESOTA		ANIMAL GROWTH, OBESITY AND EXERCISE	OPEN
ANDERSON, JOHN J.B. BA WILLIAMS COLLEGE 1956 PHD CORNELL UNIVERSITY 1966	PROFESSOR NUTRITION DEPARTMENT SCHOOL PUBLIC HEALTH & MEDICINE UNIVERSITY OF NORTH CAROLINA	SUMMER MINORITY EDUCATION AND DEVELOPMENT PROGRAM AT UNC SCHOOL OF MEDICINE	NUTRITION-DISEASE RELATIONSHIPS; EPIDEMOLOGIC & EXPERIMENTAL EVIDENCE; NUTRITION AND FETAL ALCOHOL SYNDROME; NUTRITIONAL ANTECEDENTS OF OSTEOPOROSIS	OPEN
BEAUCHENE, ROY E. BS MORNINGSIDE COLLEGE 1951 PHD KANSAS STATE UNIVERSITY 1956	PROFESSOR DEPT NUTRITION AND FOOD SCIENCE HOME ECONOMICS UNIVERSITY OF TENNESSEE		NUTRITION AND AGING RESEARCH	OPEN
BERDANIER, CAROLYN D. BS PENNSYLVANIA STATE 1958 PHD RUTGERS 1966	PROFESSOR AND CHAIRMAN DEPARTMENT OF FOODS & NUTRITION UNIVERSITY OF GEORGIA	VISITING PROFESSOR	GENETIC/NUTRIENT ASPECTS OF GLYCEMIA & LIPEMIA, METABOLIC CONTROLS IN BHE AND ZUKER RATS	OPEN
BERLIN, ELLIOTT BS JOHNS HOPKINS 1957 PHD UNIVERSITY OF MARYLAND 1966	HUMAN NUTRITION RESEARCH CTR USDA BELTSVILLE, MD		BIOCHEMISTRY, LIPID NUTRITION	OPEN
BEZKOROVAINY, ANATOLY BS UNIVERSITY OF CHICAGO 1956 PHD UNIVERSITY OF ILLINOIS 1960	PROFESSOR BIOCHEMISTRY DEPARTMENT ST LUKE'S MEDICAL CENTER RUSH-PRESBYTERIAN		HUMAN MILK PROTEINS; IRON METABOLISM IN BIFIDOBACTERIA, HEPATIC IRON METABOLISM	OPEN
BIRKHAHN, RONALD H. - SEE AMERICAN PHYSIOLOGICAL SOCIETY				
BORGMAN, ROBERT F. DVM MICHIGAN STATE UNIV 1947 PHD KANSAS STATE UNIVERSITY 1959	PROFESSOR FOOD SCIENCE DEPARTMENT CLEMSON UNIVERSITY		ROLE OF DIETARY FIBER, ETIOLOGICAL STUDIES IN HYPERTENSION	OPEN
BRADFIELD, ROBERT B. BA CORNELL UNIVERSITY 1951 PHD CORNELL UNIVERSITY 1956 JD UNIVERSITY OF CALIFORNIA	PRESIDENT INTERNATIONAL NUTRITION ASSOC ORINDA, CA	TEACHER, MEDICAL SCHOOLS IN KENYA, NEW GUINEA, THAILAND	NUTRITIONAL STATUS ASSESSMENT; CLINICAL NUTRITION	OPEN
BRONNER, FELIX BS UNIVERSITY OF CALIFORNIA 1941 PHD MIT 1962	PROFESSOR DEPARTMENT OF ORAL BIOLOGY SCHOOL OF DENTAL MEDICINE UNIVERSITY OF CONNECTICUT		CALCIUM METABOLISM; CALCIUM REGULATION; CALCIUM ABSORPTION & NUTRITION; CALCEMIC HORMONES (PTH, CT & VITAMIN D)	OPEN
CARPENTER, KENNETH J. BA UNIVERSITY OF CAMBRIDGE 1944 PHD UNIVERSITY OF CAMBRIDGE 1948	PROFESSOR DEPT OF NUTRITIONAL SCIENCES UNIVERSITY OF CALIFORNIA		HISTORY OF VITAMIN DEFICIENCY DISEASES; SOCIAL CHANGES & NUTRITION PROBLEMS; FOOD PROTEINS & THEIR QUALITY	OPEN
COBURN, STEPHEN P. BS RUTGERS STATE UNIVERSITY 1958 PHD PURDUE 1963	DIRECTOR DEPARTMENT OF BIOCHEMSITRY FORT WAYNE STATE HOSPITAL AND TRAINING CENTER	VISITING LECTURER	BIOCHEMICAL & GENETIC ASPECTS OF MENTAL RETARDATION; STUDIES OF VITAMIN B6; USE OF STABLE & RADIOACTIVE ISOTOPES	OPEN
CZAJKA-NARINS, DORICE M. BS NORTHWESTERN PHD MIT	ASSOCIATE PROFESSOR SECTION ON CLINICAL NUTRITION RUSH UNIVERSITY		GENERAL NUTRITION; OBESITY; INFANT NUTRITION; CLINICAL NUTRITION; CAREERS IN NUTRITION; WORLD FOOD PROBLEMS	OPEN
DAS, SALIL K. - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
DAVIS, GEORGE K. BS PENNSYLVANIA STATE UNIV 1932 PHD CORNELL UNIVERSITY 1937	PROFESSOR EMERITUS NUTRITION LABORATORY UNIVERSITY OF FLORIDA		TRACE ELEMENTS IN DIET & RELATION TO HEALTH; DIETARY COPPER & ITS RELATION TO TISSUE METABOLISM	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
FISHER, KENNETH D. BS UNIVERSITY OF VERMONT 1953 PHD N CAROLINA STATE UNIV 1960	DIRECTOR LIFE SCIENCES RESEARCH OFFICE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY	NSF HIGH SCHOOL BIOLOGY PROGRAM	MICROBIOLOGY; NUTRITION; FOOD SAFETY; BIOLOGICAL SCIENCES	OPEN
FOX, HAZEL M. BA WESTERN MARYLAND 1943 PHD IOWA STATE UNIVERSITY 1964	PROFESSOR AND CHAIRMAN DEPARTMENT OF FOOD & NUTRITION COLLEGE OF HOME ECONOMICS UNIVERSITY OF NEBRASKA		COMMUNICATION OF NUTRITION INFORMATION	OPEN
HARRIS, ROBERT A. BS IOWA STATE UNIVERSITY 1962 PHD PURDUE UNIVERSITY 1966	PROFESSOR DEPARTMENT OF BIOCHEMISTRY SCHOOL OF MEDICINE INDIANA UNIVERSITY	MARC VISITING SCIENTIST, 1982-83	METABOLIC INTERRELATIONSHIPS OF BODY TISSUES; HORMONAL CONTROL OF GLYCOLOSIS, GLUCONEOGENESIS & LIPOGENESIS	OPEN
HOSKINS, FRED H. BS UNIVERSITY OF ARIZONA 1958 PHD LOUISIANA STATE UNIV 1963	PROFESSOR DEPARTMENT OF FOOD SCIENCE LOUISIANA STATE UNIVERSITY		NUTRITION; FOOD SCIENCE; FOOD TOXICOLOGY	OPEN
HOWARD, CHARLES F. JR. - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
HSU, JENG M. DVM NATL CENT UNIV/CHINA 1944 PHD WASHINGTON STATE UNIV 1953	RESEARCH CHEMIST VA MEDICAL CENTER BAY PINES, FL		VITAMINS, MINERALS, TRACE ELEMENTS; CLINICAL AND BASIC NUTRITION	OPEN
HURLEY, LUCILLE S. BS UNIVERSITY OF WISCONSIN 1943 PHD UNIVERSITY OF CALIFORNIA 1950	PROFESSOR DEPARTMENT OF NUTRITION UNIVERSITY OF CALIFORNIA	MARC VISITING SCIENTIST, 1981-82	TRACE ELEMENTS & DEVELOPMENT	OPEN
KNOX, KIRVIN L. BS CAL STATE UNIV/FRESNO 1958 PHD UNIV OF CALIFORNIA/DAVIS 1964	PROFESSOR AND DEPARTMENT HEAD DEPT OF NUTRITIONAL SCIENCE UNIVERSITY OF CONNECTICUT		ANIMAL AND HUMAN BIOENERGETICS APPLIED AND THEORETICAL	OPEN
LANG, CALVIN A. AB PRINCETON 1947 SCH JOHNS HOPKINS UNIV 1964	PROFESSOR DEPARTMENT OF BIOCHEMISTRY SCHOOL OF MEDICINE UNIVERSITY OF LOUISVILLE	DIR, NSF UNDERGRAD RESEARCH PGM; ASIAN REPRESENTATIVE FOR MINORITY PRGMS OF ADMINISTRATION ON AGING; MARC VISITING SCIENTIST, 1982-83, 1983-84	NUTRITIONAL CONTROL OF AGING; GLUTATHIONE & THE TOXICOLOGY OF AGING	OPEN
LEVITSKY, DAVID A. BS RUTGERS UNIVERSITY 1964 PHD RUTGERS UNIVERSITY 1968	ASSOCIATE PROFESSOR DEPT OF PSYCHOLOGY & NUTRITION CORNELL UNIVERSITY	MARC VISITING SCIENTIST, 1981-82	NUTRITION & BEHAVIOR	OPEN
LOEW, FRANKLIN M. BS CORNELL UNIVERSITY 1961 DVM CORNELL UNIVERSITY 1965 PHD UNIVERSITY OF SASKATOON 1971	DEAN SCHOOL OF VETERINARY MEDICINE TUFTS UNIVERSITY		USE OF ANIMALS IN RESEARCH SCIENCE & POLITICS; NUTRITIONAL TOXICOLOGY; THIAMIN METABOLISM IN ANIMALS	OPEN
LOWENSTEIN, FRANK W. BS UNIVERSITY OF BERLIN 1930 MD SWITZERLAND 1934 DPH COLUMBIA UNIVERSITY 1954	NUTRITION CONSULTANT	MARC VISITING SCIENTIST, 1983-84	INTERNATIONAL NUTRITION; ECOLOGY OF MALNUTRITION	OPEN
MCMURRAY, DAVID N. BS UNIV WISCONSIN/MADISON 1965 PHD UNIV WISCONSIN/MADISON 1972	ASSOCIATE PROFESSOR DEPARTMENT OF MEDICAL MICROBIOLOGY & IMMUNOLOGY TEXAS A&M UNIVERSITY COLLEGE OF MEDICINE		IMMUNOLOGY (BASIC AND APPLIED); PATHOGENESIS OF RESPIRATORY INFECTIOUS DISEASES; INTERACTION OF NUTRITION AND INFECTION	OPEN
OLDFIELD, JAMES E. BSA UNIV BRITISH COLUMBIA 1941 MSA UNIV BRITISH COLUMBIA 1949 PHD OREGON STATE UNIVERSITY 1951	PROFESSOR DEPARTMENT ANIMAL SCIENCE OREGON STATE UNIVERSITY		TRACE ELEMENTS IN NUTRITION OF MAN AND ANIMALS; THE PARADOX OF SELENIUM; ANIMALS AS FUTURE FOOD PRODUCERS; USES FOR AGRICULTURAL WASTES	OPEN
PALUMBO, PASQUALE BA HOLY CROSS COLLEGE 1964 MD ALBANY MEDICAL COLLEGE 1968	ASSOCIATE POFESSOR DEPARTMENT OF INTERNAL MEDICINE MAYO MEDICAL SCHOOL	MAYO OUTREACH PROGRAM, VISITING FACULTY	DIABETES MELLITUS; HYPER-LIPIDEMIA; NUTRITION	OPEN
PETERSON, MALCOLM L. BS STANFORD UNIVERSITY 1950 MD UNIV OF WASHINGTON 1954 PHD ROCKEFELLER UNIVERSITY 1960	DIRECTOR DEPARTMENT OF HEALTH SERVICES SCHOOL OF PUBLIC HEALTH AND COMMUNITY MEDICINE		THE HEALTH AND MEDICAL SYSTEM; PUBLIC HEALTH POLICY; HEALTH CARE OF DISADVANTAGED POPULATIONS	OPEN
PORTA, EDUARDO A. BA UNIV BUENOS AIRES/ARGEN 1946 MD UNIV BUENOS AIRES/ARGEN 1952	PROFESSOR DEPARTMENT OF PATHOLOGY UNIVERSITY OF HAWAII SCHOOL OF MEDICAL SCIENCES	PROJECT DIRECTOR OF MSBS AND MARC PROGRAMS	NUTRITIONAL FACTORS IN AGING; DIETARY FACTORS IN ALCOHOL RESEARCH; SELENIUM IN HEPATOCARCINOGENESIS	OPEN
POWANDA, MICHAEL C. BS ST PETER'S COLLEGE 1963 PHD UNIVERSITY OF MIAMI 1968	CHIEF BIOCHEMISTRY BRANCH INSTITUTE OF SURGICAL RESEARCH US ARMY	MARC VISITING SCIENTIST, 1982-83	HOST METABOLISM & PHYSIOLOGY DURING INFECTION & FOLLOWING INJURY; RESEARCH CAREERS WITH THE US ARMY RESEARCH & DEVELOPMENT COMMAND	OPEN
RANHOTRA, GUR S. BVS INDIA 1968 PHD UNIVERSITY OF MINNESOTA 1964	DIRECTOR-NUTRITION AMERICAN INSTITUTE OF BAKING ADJUNCT PROFESSOR KANSAS STATE UNIVERSITY		MINERAL NUTRITION; FOOD SCIENCE	OPEN
RAO, DAMANNA R. BVS A P AGRICULTURAL UNIV 1965 PHD AUBURN UNIVERSITY 1972	PROFESSOR DEPARTMENT OF FOOD SCINECE ALABAMA A&M UNIVERSITY	VISITING PROFESSOR, OAKWOOD COLLEGE; MARC VISITING SCIENTIST, 1981-82, 1983-84	NUTRITION & CANCER; NUTRITION & LIPID METABOLISM; HEALTHFUL & NUTRITIONAL ASPECTS OF FERMENTED MILK	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
RASSIN, DAVID K. BA COLUMBIA UNIVERSITY 1965 PHD CUNY 1974	ASSOCIATE PROFESSOR DIVISION OF NUTRITION DEPARTMENT OF PEDIATRICS UNIVERSITY OF TEXAS MEDICAL BRANCH		PROTEIN NUTRITION IN NEWBORN INFANTS; TAURINE IN HUMAN NUTRITION; NEUROCHEMISTRY OF SULFUR AMINO ACIDS	OPEN
ROGERS, ADRIANNE E. - SEE AMERICAN ASSOCIATION OF PATHOLOGISTS				
ROSENTHAL, HAROLD L. BSC UNIV OF NEW MEXICO 1944 PHD RUTGERS UNIVERSITY 1951	PROFESSOR SCHOOL OF DENTAL MEDICINE WASHINGTON UNIVERSITY		BRAIN SPECIFIC PROTEINS; BIOCHEMICAL NUTRITION; STRONTIUM-90 IN THE ECOSYSTEM	OPEN
SACHAN, DILEEP S. BVS INDIA 1961 PHD UNIVERSITY OF ILLINOIS 1968	ASSOCIATE PROFESSOR DEPT OF NUTRITION & FOOD SCIENCE UNIVERSITY OF TENNESSEE	LECTURER, MINORITY BIOMEDICAL PROGRAM; MARC VISITING SCIENTIST, 1983-84	NUTRITION & PUBLIC HEALTH	OPEN
SHILS, MAURICE E. BA JOHNS HOPKINS 1937 MD NEW YORK UNIVERSITY 1958	PROFESSOR DEPARTMENT OF MEDICINE MEMORIAL SLOAN-KETTERING CANCER CENTER	VISITING PROFESSOR	ROLE OF NUTRITION IN CLINICAL MEDICINE; NUTRITION & CANCER	OPEN
SMITH, J. CECIL BS UNIVERSITY OF MARYLAND 1956 PHD UNIVERSITY OF MARYLAND 1964	RESEARCH BIOCHEMIST VITAMINS & MINERAL NUTRITION LAB USDA BELTSVILLE, MD		THE ROLE OF ZINC, COPPER, CHROMIUM & SELENIUM IN HEALTH & DISEASE	OPEN
STAKE, PAUL E. BS UNIVERSITY OF MINNESOTA 1968 PHD UNIVERSITY OF GEORGIA 1974	ASSOCIATE PROFESSOR DEPT OF NUTRITIONAL SCIENCES UNIVERSITY OF CONNECTICUT		TRACE ELEMENT NUTRITION & BIOCHEMISTRY; GENERAL NUTRITION; POULTRY NUTRITION	OPEN
STONE, WILLIAM L. BS SUNY 1966 PHD SUNY 1972	ASSISTANT PROFESSOR DIVISION BIOMEDICAL SCIENCE MEHARRY MEDICAL COLLEGE	LECTURES AT MINORITY INSTITUTIONS FOR GRADUATE SCHOOL RECRUITMENT	ROLE OF TRACE ELEMENTS IN NUTRITION; MOLECULAR AND CELLULAR MECHANISMS OF ATHEROSCLEROSIS	OPEN
STRENGTH, RALPH D. BS AUBURN 1948 PHD CORNELL 1952	PROFESSOR DEPT OF ANIMAL & DAIRY SCIENCE AUBURN UNIVERSITY	VISITING LECTURER, TUSKEEGEE INSTITUTE	BIOSYNTHESIS OF COMPLEX LIPIDS	OPEN
TRITSCH, GEORGE - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
VISEK, WILLARD J. BS UNIVERSITY OF NEBRASKA 1947 PHD CORNELL UNIVERSITY 1951 MD UNIVERSITY OF CHICAGO 1957	PROFESSOR SCHOOL OF BASIC MEDICAL SCIENCE AND CLINICAL MEDICINE UNIVERSITY OF ILLINOIS	MARC VISITING SCIENTIST, 1981-82, 1982-83	NUTRITION; DIET & CANCER; METABOLISM OF AMINO ACIDS & AMMONIA	OPEN
WELLS, IBERT C. - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
WILLIAMS, MARY A. BS IOWA STATE UNIVERSITY 1946 PHD UNIVERSITY OF CALIFORNIA 1954	PROFESSOR DEPT OF NUTRITIONAL SCIENCES UNIVERSITY OF CALIFORNIA		BIOLOGICAL SCIENCES-SELECTED TOPICS; NUTRITION	OPEN
WILSON, CHRISTINE S. BA BROWN UNIVERSITY 1950 PHD UNIVERSITY OF CALIFORNIA 1970	ASST RESEARCH NUTRITIONIST DEPARTMENT OF EPIDEMIOLOGY AND INTERNATIONAL HEALTH UNIVERSITY OF CALIFORNIA	MARC VISITING SCIENTIST, 1983-84	HUMAN NUTRITION; NUTRITIONAL ANTHROPOLOGY; NUTRITION	OPEN
WILSON, ROBERT B. BS UTAH STATE UNIVERSITY 1958 DVM WASHINGTON STATE UNIV 1961 PHD UNIVERSITY OF TORONTO 1967	DEAN COLLEGE OF VETERINARY MEDICINE WASHINGTON STATE UNIVERSITY	WSU SCIENCE SUPPORTIVE PGM FOR MINORITY STUDENTS; MARC VISITING SCIENTIST, 1981-82, 1983-84	INTERACTION OF NUTRITION & DISEASE; ANIMAL MODELS OF HUMAN DISEASE; PREPARATIONS FOR CAREERS IN RESEARCH; VETERINARY PATHOLOGY	OPEN
WOODBURN, MARGY J. BS UNIVERSITY OF ILLINOIS 1950 PHD UNIVERSITY OF WISCONSIN 1959	PROFESSOR AND HEAD DEPT OF FOODS AND NUTRITION OREGON STATE UNIVERSITY		FOOD MICROBIOLOGY TO PROMOTE FOOD SAFETY	OPEN
WORTHINGTON-ROBERTS, B. BS UNIV OF WASHINGTON 1965 PHD UNIV OF WASHINGTON 1971	PROFESSOR & CHIEF NUTRITIONIST DEPT OF NUTRITIONAL SCIENCES UNIVERSITY OF WASHINGTON		RECENT DEVELOPMENTS IN NUTRITION	OPEN
YACOWITZ, HAROLD BS CORNELL 1947 PHD CORNELL 1960	NUTRITION CONSULTANT FAIRLEIGH DICKINSON UNIVERSITY		HOW TO GET A JOB WHEN NO JOBS ARE AVAILABLE; HOW A TOUGH KID FROM THE BRONX MADE IT IN SCIENCE; USE OF LAB ANIMALS AS RESEARCH TOOLS	OPEN

AMERICAN ASSOCIATION OF IMMUNOLOGISTS

ABEL, CARLOS BS M BELGRANAO COL/ARGEN 1949 MD UNIV BUENOS AIRES/ARGEN 1957	DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY UNIV OF CALIFORNIA/BERKELEY		IMMUNOCHEMISTRY; ANTIBODY STRUCTURE; SURFACE GLYCOPROTEINS OF LYMPHOID CELLS	OPEN
ALBRIGHT, JOSEPH F. BS SOUTHWESTERN UNIVERSITY 1949 PHD INDIANA UNIVERSITY 1956	PROFESSOR DEPARTMENT OF LIFE SCIENCES INDIANA STATE UNIVERSITY		NATURAL RESISTANCE TO ANIMAL PARASITES; IMMUNOSUPPRESSION AND HOST-PARASITE RELATIONSHIPS	OPEN
BARNETT, EUGENE V. BA 1953 MD 1956	MEDICAL CENTER UCLA		LABORATORY CLINICAL IMMUNOLOGY; SYSTEMIC LUPUS	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
BLOMBERG, BONNIE BA UCLA 1970 PHD UNIV OF CAL/SAN DIEGO 1977	RESEARCH FELLOW CENTER FOR CANCER RESEARCH MIT		IMMUNOGLOBULIN GENES: STRUCTURE & REGULATION, IMMUNOLOGY, GENETICS & CELL ACTIVATION	OPEN
BORYSENKO, MYRIN BS ST LAWRENCE UNIVERSITY 1964 PHD SUNY 1968	ASSOCIATE PROFESSOR DEPT OF ANATOMY & CELL BIOLOGY SCHOOL OF MEDICINE TUFTS UNIVERSITY	MINORITY STUDENTS WORK-STUDY PROGRAM	BASIC IMMUNOBIOLOGY, HORMONAL REGULATION OF THE IMMUNE SYSTEM	OPEN
BRADLEY, S. GAYLEN BS SW MISSOURI STATE 1960 PHD NORTHWESTERN UNIV 1964	PROFESSOR DEPT MICROBIOLOGY & IMMUNOLOGY VIRGINIA COMMONWEALTH UNIVERSITY	ASM FOUNDATION LECTURER	REGULATION OF MICROBIAL METABOLISM; MOLECULAR BASES OF MICROBIAL PATHOGENESIS; EFFECT OF ENVIRONMENTAL CHEMICALS ON HOST RESISTANCE	OPEN
BUDZKO, DELIA B. BS UNIV BUENOS AIRES/ARGEN 1961 PHD UNIV BUENOS AIRES/ARGEN 1966	CHIEF DIVISION OF VIROLOGY MICHIGAN DEPT OF HEALTH MICHIGAN STATE UNIVERSITY		CLINICAL VIROLOGY, IMMUNOVIROLOGY	OPEN
CHANG, KENNETH S.S. MD NATIONAL TAIWAN UNIV 1951 PHD TOKYO UNIVERSITY 1960	HEAD, VIRAL ONCOGENESIS SEC NATIONAL CANCER INSTITUTE NATIONAL INSTITUTES OF HEALTH		TUMOR VIROLOGY AND IMMUNOLOGY, INTERFERONS; RETROVIRUS AND ONCOGENES; NATURAL KILLER CELLS	OPEN
CHU, T. MING - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
COHEN, ELIAS BSC UNIVERSITY OF MARYLAND 1942 PHD RUTGERS UNIVERSITY 1952	CHIEF CANCER RES SCIENTIST DIRECTOR CLINICAL IMMUNOLOGY & BLOOD BANK UNIT ROSWELL PARK MEMORIAL INSTITUTE	MARC VISITING SCIENTIST, 1983-84	HISTOCOMPATIBILITY OF BONE MARROW TRANSPLANTATION & DISEASE ASSOCIATIONS; IMMUNOLOGY OF BLOOD BANKING; BIOMEDICAL APPLICATIONS OF MARINE ANIMALS	OPEN
COHEN, NICHOLAS AB PRINCETON 1960 PHD UNIVERSITY OF ROCHESTER 1966	PROFESSOR DEPARTMENT OF MICROBIOLOGY UNIVERSITY OF ROCHESTER MEDICAL CENTER	INTRAMURAL PROGRAM FOR RESEARCH OPPORTUNITIES FOR MINORITIES FROM OTHER INSTITUTIONS	PHYLOGENY OF IMMUNITY, DEVELOPMENTAL IMMUNOLOGY, TRANSPLANTATION BIOLOGY, PSYCHONEUROIMMUNOLOGY	OPEN
DAMIAN, RAYMOND T. BS UNIVERSITY OF AKRON 1956 PHD FLORIDA STATE UNIV 1962	PROFESSOR DEPARTMENT OF ZOOLOGY UNIVERSITY OF GEORGIA	MARC VISITING SCIENTIST, 1981-82, 1983-84	IMMUNOPARASITOLOGY, PRIMATE MODELS, SCHISTOSOMIASIS, COMPARATIVE IMMUNOLOGY	OPEN
DHANNAVADA, SUBBA RAO BS ANDHRA UNIVERSITY 1963 PHD MISSISSIPPI STATE UNIV 1973	ASSISTANT PROFESSOR DEPARTMENT OF SURGERY UNIVERSITY OF MISSISSIPPI MEDICAL CENTER	VISITING FELLOW, UNIVERSITY OF PUERTO RICO, MEDICAL SCHOOL; MARC VISITING SCIENTIST, 1982-83	IMMUNOREGULATION, TRANSPLANTATION IMMUNOLOGY, IMMUNOTOXICOLOGY, NUTRITION AND IMMUNE RESPONSE	OPEN
DITTMER, JOHN BS ARIZONA STATE UNIVERSITY 1962 PHD BROWN UNIVERSITY 1969	DEPT OF ANATOMY & MICROBIOLOGY SCHOOL OF MEDICINE BOSTON UNIVERSITY		TRANSPLANTATION IMMUNOLOGY	OPEN
DOELL RUTH G. BA UNIVERSITY OF CALIFORNIA 1952 PHD UNIVERSITY OF CALIFORNIA 1956	PROFESSOR DEPARTMENT OF BIOLOGY SAN FRANCISCO STATE UNIVERSITY		CANCER EPIDEMIOLOGY	OPEN
DUPONT, BO MD DENMARK 1966 DSC DENMARK 1978	PROFESSOR MEMORIAL SLOAN KETTERING CANCER CENTER	VISITING PROFESSOR	IMMUNOGENETICS OF MAJOR HISTOCOMPATABILITY COMPLEX, HLA & DISEASE ASSOCIATIONS; CLINICAL TRANSPLANTATION	OPEN
FALK, LAWRENCE A. BA CENTENARY COLLEGE/LA 1962 PHD UNIVERSITY OF ARKANSAS 1970	ASSOCIATE PROFESSOR DEPARTMENT OF MICROBIOLOGY SCHOOL OF MEDICINE HARVARD		LYMPHOTROPIC HERPESVIRUSES; PROPAGATION OF SIMIAN LYMPHOCYTES IN T CELL GROWTH FACTOR; LYMPHOCYTE TRANSFORMATION WITH HUMAN T-CELL LEUKEMIA VIRUS	OPEN
FIERER, JOSHUA A. - SEE AMERICAN ASSOCIATION OF PATHOLOGISTS				
FOWLER, ELIZABETH AB CORNELL UNIVERSITY 1966 PHD HARVARD UNIVERSITY 1972	ASSOCIATE PROFESSOR DEPT MICROBIOLOGY AND IMMUNOLOGY UNIVERSITY OF SOUTH ALABAMA		GENE REGULATION, IMMUNOGLOBULIN STRUCTURE, FUNCTION AND GENETICS	OPEN
GALE, ROBERT P. AB HOBART COLLEGE 1966 PHD UCLA 1978 MD STATE UNIV NEW YORK 1970	ASSOCIATE PROFESSOR DEPT OF MEDICINE & IMMUNOLOGY SCHOOL OF MEDICINE UCLA	MARC VISITING SCIENTIST, 1981-82	BONE MARROW TRANSPLANTATION IN MAN	OPEN
GATTI, RICHARD A. BA COLUMBIA COLLEGE 1958 MD ST LOUIS MEDICAL SCHOOL 1962	DEPARTMENT OF PATHOLOGY SCHOOL OF MEDICINE UCLA	VISITING PROFESSOR	CANCER SUSCEPTIBILITY GENES IN MAN; DIAGNOSIS & TREATMENT OF IMMUNODEFICIENCY DISEASES	OPEN
GEBHARDT, BRYAN M. BS DELAWARE VALLEY COLLEGE 1963 PHD TULANE UNIVERSITY 1967	PROFESSOR DEPARTMENT OF OPHTHALMOLOGY MEDICAL CENTER LOUISIANA STATE UNIVERSITY	MARC VISITING SCIENTIST, 1982-83	TRANSPLANTATION IMMUNOLOGY, CELLULAR IMMUNOLOGY, TUMOR IMMUNOLOGY	OPEN
GHEBREHIWET, BERHANE DVM 1971 DSC 1974	ASSISTANT PROFESSOR DEPARTMENT OF MEDICINE SUNY, STONY BROOK		BIOLOGY & BIOCHEMISTRY OF COMPLEMENT	OPEN
HERZENBERG, LEONARD A. BA BROOKLYN COLLEGE 1952 PHD CAL TECH 1956	PROFESSOR DEPARTMENT OF GENETICS STANFORD UNIVERSITY SCHOOL OF MEDICINE	MARC VISITING SCIENTIST, 1983-84	MONOCLONAL ANTIBODIES: MAKING THEM, CHANGING THEM, USING THEM; ASPECTS OF IMMUNOGENETIC & MOLECULAR IMMUNOLOGY	OPEN
HUDIG, DOROTHY BA BRYN MAWR COLLEGE 1966 PHD UC SAN DIEGO 1977	ASSOCIATE PROFESSOR DEPARTMENT OF MICROBIOLOGY UNIVERSITY OF NEVADA/RENO SCHOOL OF MEDICINE	MARC SITE VISITOR	NATURAL KILLER LYMPHOCYTES; MECHANISMS OF LYMPHOCYTE MEDIATED CYTOTOXICITY OF TUMORS	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
IVERSON, MICHAEL AB SAN JOSE STATE UNIV 1964 PHD ENGLAND 1972	SENIOR ASSOCIATE INVESTIGATOR LAB OF CELL IMMUNOLOGY SCHOOL OF MEDICINE YALE UNIVERSITY	COORDINATOR, NIAID'S MINORITY PROGRAM; MARC VISITING SCIENTIST, 1981-82	IMMUNOBIOLOGY; THE FUNCTION & REGULATION OF THE IMMUNE SYSTEM	OPEN
JONES, JOE M. MS WICHITA STATE UNIVERSITY 1966 PHD UNIV OF NORTH CAROLINA 1969	DEPARTMENT OF PATHOLOGY AND MICROBIOLOGY UNIVERSITY OF ARKANSAS MEDICAL SCIENCES		GENETIC BASIS OF SUSCEPTIBILITY TO NEOPLASIA; TUMOR VIRUSES; IMMUNE COMPLEXES; LECTINS	OPEN
KAPRAL, FRANK A. BS PHIL COL PHARMACOL/SC 1952 PHD UNIV OF PENNSYLVANIA 1956	PROFESSOR DEPT OF MEDICAL MICROBIOLOGY OHIO STATE UNIVERSITY		TOXIC SHOCK SYNDROME; STAPHYLOCOCCAL DISEASES; BACTERIAL INFECTIONS	OPEN
KATZ, STEPHEN P. BA LOUISIANA STATE UNIV 1969 PHD VANDERBILT UNIVERSITY 1975	ASSOCIATE PROFESSOR DEPARTMENT OF TROPICAL MEDICINE TULANE UNIVERSITY		IMMUNOLOGY OF PARASITIC INFECTIONS	OPEN
KEMP, WALTER, M. BS ABILENE CHRISTIAN UNIV 1966 PHD TULANE UNIVERSITY 1970	PROFESSOR BIOLOGY DEPARTMENT TEXAS A&M UNIVERSITY	MARC VISITING SCIENTIST, 1981-82	PARASITE IMMUNOLOGY; TROPICAL DISEASES; PARASITE IMMUNE ESCAPE MECHANISMS	OPEN
KIERSZENBAUM, FELIPE BS UNIV BUENOS AIRES/ARGEN 1963 PHD UNIV BUENOS AIRES/ARGEN 1966	PROFESSOR DEPARTMENT OF MICROBIOLOGY MICHIGAN STATE UNIVERSITY		IMMUNOLOGY, MECHANISMS OF HOST DEFENSE & PATHOGENICITY IN PARASITIC INFECTIONS	OPEN
KIM, K. JIN BS SOGANG UNIVERSITY 1969 PHD GEORGETOWN UNIVERSITY 1976	SENIOR SCIENTIST BIOTECHNOLOGY RESEARCH CENTER REVLON	BIOTECHNOLOGY PROGRAM FOR MINORITY SCHOOLS; MARC VISITING SCIENTIST, 1982-83	DIFFERENTIATION OF B LYMPHOCYTES APPLICATION OF HYBRIDOMA TECHNOLOGY	OPEN
KLEINMAN, RAPHAEL BS 1968 PHD 1975	ASSISTANT PROFESSOR DEPT OF MICROBIOLOGY UNIVERSITY OF GEORGIA		BACTERIA-IMMUNE SYSTEM INTERACTIONS; IMMUNOLOGY OF AGING; REGULATION OF CYTOTOXIC REACTIONS	OPEN
KNOPF, PAUL M. BSC MIT 1958 PHD MIT 1962	PROFESSOR BIOMEDICAL DEPARTMENT BROWN UNIVERSITY	LECTURER, AAAS PROGRAM; MARC VISITING SCIENTIST, 1982-83	IMMUNOPARASITOLOGY; TROPICAL PARASITIC DISEASES	OPEN
KNUTSON, DAVID BA ST MARY'S COLLEGE 1963 MD UNIV OF MINNESOTA 1967	ASSOC PROF MED & DIRECTOR NEPHRL LAB RESEARCH UNIVERSITY OF ROCHESTER SCHOOL OF MEDICINE		GLOMERULONEPHRITIS; SOLUBLE IMMUNE COMPLEXES; COMPLEMENT; SLE; NEPHROTIC SYNDROME	OPEN
KUHN, RAYMOND E. BS CARS NEWMAN COLLEGE 1955 PHD UNIVERSITY OF TENNESSEE 1968	PROFESSOR DEPARTMENT OF BIOLOGY WAKE FOREST UNIVERSITY	SPECIAL TUTOR	PARASITES IN THE IMMUNE HOST; IMMUNITY TO PROTOZOAN PARASITES	OPEN
LAING, CALBERT A. BS TUSKEGEE INSTITUTE 1970 PHD BROWN UNIVERSITY 1974	ASSOCIATE PROFESSOR ONCOLOGY HOWARD UNIVERSITY		IMMUNOLOGY; HOST DEFENSE MECHANISMS AGAINST CANCER	OPEN
LAMON, EDDIE W. - SEE AMERICAN ASSOCIATION OF PATHOLOGISTS				
LANGE, CHARLES F. BS ROOSEVELT 1951 PHD UNIVERSITY OF ILLINOIS 1959	PROFESSOR MICROBIOLOGY DEPARTMENT STRITCH SCHOOL OF MEDICINE LOYOLA UNIVERSITY		BASIC IMMUNOLOGY; BASIC CARBOHYDRATE & PROTEIN CHEMISTRY; IMMUNOCHEMISTRY OF IMMUNOPATHOLOGY	OPEN
LISCHNER, HAROLD W. BS UNIVERSITY OF CALIFORNIA 1947 MD UNIVERSITY OF CHICAGO 1952	PROFESSOR DEPARTMENT OF PEDIATRICS SCHOOL OF MEDICINE TEMPLE UNIVERSITY	YOUTH CORPS FOR UNDERPRIVILEGED HIGH SCHOOL STUDENTS	THE THYMUS, FOUNTAIN OF YOUTH/ LYMPHOCYTES AS HEROES & VILLAINS	OPEN
LUBAROFF, DAVID M. BS PHIL COL OF PHARM & SCI 1961 MS GEORGETOWN UNIVERSITY 1964 PHD YALE UNIVERSITY 1967	PROFESSOR DEPARTMENT OF UROLOGY UNIVERSITY OF IOWA		IMMUNOLOGY; TUMOR IMMUNOLOGY	OPEN
MAGE, ROSE G. BS CORNELL UNIVERSITY 1956 PHD COLUMBIA UNIVERSITY 1963	SENIOR INVESTIGATOR NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES NIH	VISITING PROFESSOR	IMMUNOGLOBULIN GENETICS & STRUCTURE; IMMUNOCHEMISTRY	OPEN
MANSFIELD, JOHN M. BA MIAMI UNIVERSITY 1967 PHD OHIO STATE UNIVERSITY 1971	ASSOCIATE PROFESSOR DEPARTMENT OF MICROBIOLOGY SCHOOL OF MEDICINE UNIVERSITY OF LOUISVILLE	GRADUATE SCHOOL RECRUITMENT OF MINORITIES; MARC VISITING SCIENTIST, 1982-83, 1983-84	IMMUNOBIOLOGY OF PARASITIC DISEASES; AFRICAN TRYPANOSOMIASIS	OPEN
MARX, JAMES J. JR. BA ST VINCENT COLLEGE 1966 PHD WEST VIRGINIA UNIVERSITY 1973	RESEARCH IMMUNOLOGIST MARSHFIELD MEDICAL FOUNDATION		CLINICAL IMMUNOLOGY; HYPERSENSITIVITY LUNG DISEASE; TUMOR CELL CLONING	OPEN
MCMURRAY, DAVID N. - SEE AMERICAN INSTITUTE OF NUTRITION				
MIDDAUGH, C. RUSSELL - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
MITTAL, KAMAL K. BSC INDIA 1954 PHD UNIVERSITY OF ILLINOIS 1965	RESEARCH MICROBIOLOGIST BUREAU OF BIOLOGICS FOOD & DRUG ADMINISTRATION		IMMUNOGENETICS & TRANSPLANTATION BIOLOGY	OPEN
MOLINARO, GIUSEPPE A. MD ITALY 1960	ASSOCIATE PROFESSOR DEPARTMENT OF MICROBIOLOGY LOMA LINDA UNIVERSITY	MARC VISITING SCIENTIST, 1982-83	IMMUNOBIOLOGY; LYMPHOCYTES; AB PRODUCTION; HYBRIDOMAS	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
MULLEN, YOKO PHD JAPAN 1963	ASSOC RESEARCH IMMUNOLOGIST DEPARTMENT OF MEDICINE DENTAL RESEARCH INSTITUTE UCLA		EFFORT/JOY/REWARD AS WOMAN SCIENTIST; ORGAN TRANSPLANTATION AS TREATMENT OF DIABETES MELLITUS	OPEN
OGBURN, CLIFTON A. BA TEMPLE UNIVERSITY 1951 PHD UNIV OF PENNSYLVANIA 1957	PROFESSOR DEPARTMENT OF MICROBIOLOGY MEDICAL COLLEGE OF PENNSYLVANIA	MARC VISITING SCIENTIST, 1981-82	STRUCTURE & FUNCTION OF THE IMMUNE SYSTEM; INTERFERONS	OPEN
PELLIS, NEAL BA WASHINGTON & JEFFERSON 1966 PHD MIAMI UNIVERSITY/OHIO 1972	ASSOCIATE PROFESSOR DEPT OF SURGERY UNIVERSITY OF TEXAS MEDICAL SCHOOL	UNIV OF TEXAS SUMMER ENRICHMENT PROGRAM FOR MINORITY STUDENTS ENTERING MEDICAL SCHOOL	IMMUNOLOGY, TUMOR AND TRANS-PLANT IMMUNITY; IMMUNOREGULATION	OPEN
QUINTANS, JOSE MD 1971 PHD 1975	ASSOCIATE PROFESSOR PEDIATRICS LA RABIDA HOSPITAL UNIVERSITY OF CHICAGO		IMMUNOLOGY; UNDERGRADUATE CELL BIOLOGY; HISPANIC MATTERS	OPEN
RAO, SRINIVASA V. BS INDIA 1960 PHD INDIA 1972	ASSISTANT RESEARCH PROFESSOR USC CANCER CENTER UNIV SOUTHERN CA MEDICAL SCHOOL		IMMUNOLOGY; IMMUNOREGULATIONS IN CANCER PATIENTS; ROLE OF BIOLOGICAL RESPONSE MODIFIERS IN CANCER TREATMENT	OPEN
ROSENBERG, LEON T. BS CCNY 1946 PHD NEW YORK UNIVERSITY 1957	PROFESSOR MEDICAL MICROBIOLOGY SCHOOL OF MEDICINE STANFORD UNIVERSITY	RECRUITER, MINORITY ADMISSIONS PROGRAM FOR STANFORD	IMMUNOLOGY & BASIC MEDICAL MICROBIOLOGY	OPEN
SCHULTZ, RONALD DAVID BS PENNSYLVANIA STATE UNIV 1966 PHD PENNSYLVANIA STATE UNIV 1970	PROFESSOR & CHAIRMAN DEPARTMENT OF PATHOBIOLOGY SCHOOL OF VETERINARY MEDICINE UNIVERSITY OF WISCONSIN		VETERINARY IMMUNOLOGY; ANIMAL MODELS FOR IMMUNOLOGIC DISEASES; CLINICAL IMMUNOLOGY AND IMMUNO-PATHOLOGY	OPEN
SMITH, JOHN A. - SEE AMERICAN ASSOCIATION OF PATHOLOGISTS				
SPITZER, ROGER BS GEORGE WASHINGTON UNIV 1958 MD HOWARD UNIVERSITY 1962	PROFESSOR PEDIATRICS UPSTATE MEDICAL CENTER SUNY		ANY AREA DEALING WITH COMPLEMENT AND THE IMMUNE SYSTEM	OPEN
STEIN, PAUL CARY BS CCNY 1964 PHD UNIVERSITY OF MIAMI 1968	RESEARCH IMMUNOLOGIST LOMA LINDA UNIV AND VA HOSPITAL		PARASITOLOGY; IMMUNOLOGY	OPEN
STEINMULLER, DAVID BA SWARTHMORE COLLEGE 1956 PHD UNIV OF PENNSYLVANIA 1961	PROFESSOR DEPARTMENT OF IMMUNOLOGY MAYO CLINIC		IMMUNOLOGIC TOLERANCE, BIOLOGY & IMMUNOLOGY OF TISSUE & ORGAN TRANSPLANTS, IMMUNOLOGY OF BONE MARROW TRANSPLANTATION AND GRAFT VS HOST DISEASE; HISTOCOMPATIBILITY	OPEN
STONE, STANLEY S. BS LOYOLA COLLEGE 1950 MS GEORGETOWN UNIVERSITY 1953 PHD GEORGETOWN UNIVERSITY 1957	RETIRED, US DEPT AGRICULTURE		HUMORAL IMMUNOLOGY; ANIMAL DISEASES, EXOTIC EXPERIENCE IN KENYA AND INDIA & PAKISTAN	OPEN
STONE, WILLIAM H. AB BROWN UNIVERSITY 1946 PHD UNIVERSITY OF WISCONSIN 1953	PROFESSOR LABORATORY OF GENETICS UNIVERSITY OF WISCONSIN	MARC VISITING SCIENTIST, 1983-84	GENETICS, IMMUNOGENETICS, HUMAN GENETICS & IMPLICATIONS, CAREER OPPORTUNITIES	OPEN
TEWARI, RAM P. BS INDIA 1956 PHD OHIO STATE UNIVERSITY 1966	PROFESSOR DEPARTMENT OF MICROBIOLOGY SCHOOL OF MEDICINE SOUTHERN ILLINOIS UNIVERSITY	MARC VISITING SCIENTIST, 1981-82	IMMUNITY IN HISTOPLASMOSIS & HAEMOPHILUS INFECTIONS	OPEN
TOM, BALDWIN H. BA UNIVERSITY OF CALIFORNIA 1963 PHD UNIVERSITY OF ARIZONA 1970	ASSOCIATE PROFESSOR DEPARTMENT OF SURGERY SCHOOL OF MEDICINE UNIVERSITY OF TEXAS	MARC VISITING SCIENTIST, 1981-82	LIPOSOMES & IMMUNOBIOLOGY, SPACE: NEW FRONTIERS FOR BIOLOGY; TUMOR IMMUNITY	OPEN
TSOKOS, GEORGE C. MD GREECE 1975 PHD GREECE 1977	STAFF FELLOW ARTHRITIS & RHEUMATISM BRANCH NIH		AUTOIMMUNITY; IMMUNOREGULATION; LYMPHOCYTE SUBPOPULATIONS	OPEN
WALLACE, JOHN H. BS HOWARD UNIVERSITY 1947 PHD OHIO STATE UNIVERSITY 1953	PROFESSOR AND CHAIRMAN DEPARTMENT OF MICROBIOLOGY HEALTH SCIENCES CENTER UNIVERSITY OF LOUISVILLE	MBS SERIES PARTICIPANT, AAI AAI ORGANIZER, MARC VISITING SCIENTIST, 1981-82, 1982-83, 1983-84	ASPECTS OF IMMUNE RESPONSE REGULATION	OPEN
WARREN, KENNETH S. AB HARVARD 1951 MD HARVARD 1955	DIRECTOR, HEALTH SCIENCES ROCKEFELLER FOUNDATION NEW YORK		BIOMEDICAL RESEARCH ON DISEASES OF THE DEVELOPING WORLD	OPEN
WEBSLER, MARC E. BA SWARTHMORE COLLEGE 1958 MD COL OF PHYSICIANS & SURG 1962	WRIGHT PROFESSOR OF MEDICINE DEPARTMENT OF MEDICINE CORNELL UNIV MEDICAL COLLEGE		IMMUNOLOGY AND CLINICAL IMMUNOLOGY; CELLULAR IMMUNOLOGY; IMMUNOBIOLOGY OF AGING	OPEN
WIKEL, STEPHEN K. BA SHIPPENSBURG STATE COL 1967 PHD UNIV OF SASKATCHEWAN 1976	ASSOCIATE PROFESSOR DEPARTMENT OF MICROBIOLOGY SCHOOL OF MEDICINE UNIVERSITY OF SOUTH DAKOTA		IMMUNITY TO ECTOPARASITES, IMMUNOPARASITOLOGY; ALTERNATIVE METHODS OF PEST CONTROL	OPEN
WOODLAND, ROBERT T. BS VILLANOVA UNIVERSITY 1967 PHD UNIV OF PENNSYLVANIA 1973	ASSISTANT PROFESSOR DEPT OF MOLECULAR GENETICS SCHOOL OF MEDICINE UNIVERSITY OF MASSACHUSETTS	UMMS MINORITY ENRICHMENT PROGRAM	CELLULAR ASPECTS, REGULATION & GENES IN IMMUNOLOGY	OPEN

NAME DEGREE/INST/YEAR	AFFILIATION DEPT/COLL/UNIV/	EXPERIENCE IN SIMILAR PROGRAMS	LECTURE TOPICS AREA OF RESEARCH	AVAIL- ABILITY
WRIGHT, GEORGE L. JR. BA ALBION 1959 PHD MICHIGAN STATE UNIV 1966	PROFESSOR DEPT MICROBIOLOGY & IMMUNOLOGY SCHOOL OF MEDICINE EASTERN VIRGINIA	SUMMER MINORITY PROGRAM AT EASTERN VIRGINIA MEDICAL SCHOOL	TUMOR IMMUNOLOGY; MONOCLONAL ANTIBODIES TO TUMOR ANTIGENS	OPEN
ZOLLA-PAZNER, SUSAN BA STANFORD UNIVERSITY 1963 PHD UNIVERSITY OF CALIFORNIA 1967	ASSOCIATE PROFESSOR DEPARTMENT OF PATHOLOGY NEW YORK UNIVERSITY MEDICAL CNTR	VISITING LECTURER	IMMUNOLOGY; TUMOR IMMUNOLOGY	OPEN

AMERICAN SOCIETY FOR CELL BIOLOGY

BERBERIAN, PAUL A. BA BOSTON UNIVERSITY 1968 PHD UNIV MIAMI SCH MED 1976	BOWMAN GRAY SCHOOL OF MEDICINE WAKE FOREST UNIVERSITY	"MEDICINE AS A CAREER" MINORITY PROGRAM	CELL BIOL OF ARTERIOSCLEROSIS; ARTERIAL PROSTAGLANDINS; LYSOSOMAL FUNCTION; INTRA-CELLULAR LIPID ACCUMULATION	OPEN
DOELL, RUTH G. - SEE AMERICAN ASSOCIATION OF IMMUNOLOGISTS				
FOWLER, ELIZABETH - SEE AMERICAN ASSOCIATION OF IMMUNOLOGISTS				
KUMARAN, A. KRISHNA BS MADRAS 1950 MA MADRAS 1952 PHD MADRAS 1959	DEPARTMENT OF BIOLOGY MARQUETTE UNIVERSITY	USEFI SPONSORED PROGRAM IN INDIA	DEVELOPMENTAL AND CELL BIOLOGY; HORMONAL CONTROL OF INSECT DEVELOPMENT; MOLECULAR BASIS OF HORMONE ACTION	WINTER SPRING SUMMER
MARTIN, NANCY - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
MATSUMOTO, YORIMI AB WHITIER COLLEGE 1950 PHD UCLA 1964	ASSOCIATE PROFESSOR DEPARTMENT OF PHYSIOLOGY EMORY UNIVERSITY		EXCITABLE MEMBRANES; MUSCLE BIOPHYSICS	OPEN
MURRAY, SANDRA A. BS UNIV OF ILLINOIS 1970 MS TEXAS SOUTHERN UNIV 1973 PHD UNIVERSITY OF IOWA 1980	DEPARTMENT OF ANATOMY UNIVERSITY OF PITTSBURGH SCHOOL OF MEDICINE	KEY NOTE SPEAKER FOR MINORITY SCIENCE DAY, UNIVERSITY OF CALIFORNIA, 1981	LOCALIZATION OF cAMP DEPENDENT KINASE; FREEZE FRACTURE TECHNIQUES IN MEMBRANE RESEARCH; SURVIVAL TACTICS FOR THE MINORITY SCIENTIST	WINTER SPRING SUMMER
QUATRANO, RALPH S. AB COLGATE 1962 MS OHIO UNIVERSITY 1964 PHD YALE UNIVERSITY 1968	DEPARTMENT OF BOTANY OREGON STATE UNIVERSITY		CELL AND MOLECULAR APPROACHES TO THE STUDY OF PLANT DEVELOPMENT	OPEN
SCOUTEN, WILLIAM H. - SEE AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS				
SMITH, JOHN A. - SEE AMERICAN ASSOCIATION OF PATHOLOGISTS				
VERMA, RAM S. MS AGRA UNIVERSITY, INDIA 1967 PHD UNIV WESTERN ONTARIO 1972	DIVISION OF CYTOGENETICS INTERFAITH MEDICAL CENTER & SUNY DOWNSTATE MEDICAL CENTER		ROLE OF A CYTOGENETICIST IN CLINICAL MEDICINE	OPEN

APPLICATION FORM

VISITING SCIENTISTS FOR MINORITY INSTITUTIONS

Name of Applicant Institution _____

Address _____
Street/No. City State Zip Code

Total Enrollment _____ Number of Minority Students _____

Number of Minority Students in Science Program _____ Number of Science Faculty _____

PLAN FOR USE OF VISITING SCIENTIST

Formal Lectures _____

To Students _____ How Many _____ Topic _____

To Faculty _____ Topic _____

Informal Discussions _____ Topic _____

Laboratory Demonstrations _____ Methods _____

Consultation _____

With Faculty _____ Specific Topics _____

With Administration _____ Specific Topics _____

Other _____

(Please use reverse side if additional space is needed)

NAME OF LECTURER(S) DESIRED DATES(S) DESIRED

1. _____ _____
2. _____
3. _____

CONTACT AT APPLICANT INSTITUTION _____ Telephone _____

SIGNATURE OF INSTITUTION OFFICIAL _____

Please Send Completed Form To:

Dr. Robert W. Krauss, Executive Director
FASEB
9650 Rockville Pike
Bethesda, MD 20814
301/530/7093

SUGGESTED MODEL FOR FASEB SPEAKERS BUREAU

Purpose:

To provide a means whereby knowledgeable scientists can participate in expanding knowledge of biology and biomedical science in the secondary school science program.

Underlying Principles:

It is essential that a broad diversity of speakers be available in a state or region and that a brief statement on the program and a listing of speakers be made available directly to the target audience by means of a speakers list brochure. Further, costs of travel and incidental expenses should be borne by the Speakers Bureau and with individuals providing their time and talent at no cost to the recipients. A third important aspect is that while central administration would be efficient, invitations and scheduling should be a local initiative.

Operational Aspects:

I. Speaker Selection

A. Departmental Chairmen (typically members of FASEB) in the several disciplines represented by the six societies would solicit speakers from their departments and other institutions in the local area. Speakers would provide information on professional affiliation, experience in similar programs, topical areas of expertise, and availability for inclusion in the listing.

B. The Education Committee, or its designee, would prepare an alphabetical listing by state for free distribution.

II. Announcement of Speakers and Availability

Announcement of the Speakers Program and availability of the speakers list would be made:

A. In publications of the National Association of Biology Teachers, National Science Teachers Association, and similar organizations;

B. Via mailings to State Education Department or Department of Public Instruction liaison persons;

C. With cooperation of appropriate science educators in universities and colleges;

D. Through State Academies of Science;

E. By direct mailing to private institutions which are members of private secondary school associations; and,

F. By direct contact and other appropriate means.

III. Scheduling Arrangements

A. Secondary school teachers or administrators, using the speakers list, would be responsible for making arrangements with listed scientists on an individual basis.

B. Scientists who were contacted would be responsible for informing FASEB of the acceptance and arrangements.

C. Secondary school personnel would complete a brief report of the visit for FASEB to document payment of travel and incidental expenses of speakers.

IV. Speaker Recognition

A. A letter acknowledging participation would be sent to each speaker by FASEB.

B. Letters noting the speaker's community service would be sent by FASEB to the appropriate institutional authorities.

C. After the first year, the speakers list would include information on speakers' visits, participating speakers, and schools visited.

Potential Uses:

- Provide a resource of experienced biologists for secondary school science teachers.
- Identify FASEB members who are experienced and interested in interactions with secondary school science education within local communities.
- Establish a liaison between research biologists in the local community (academia, industry, hospitals, etc.) and the community's secondary school science program.
- Make available a broad range of biologists and medical scientists who would be available not only to secondary science teachers and students, but also: science education administrators; city, county, and state legislators; city, county, and state education administrators; and, civic, fraternal, and education organizations.

- Provide an additional means for parents to participate in secondary science education.

- Strengthen understanding and appreciation of science within the community by using members of the local community as resource persons.

(Prepared from a proposal developed by E. Theil, FASEB Education Committee, November 18, 1982)

MEMBERS

FASEB TASK FORCE
on
Precollege Science Education Programs

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Leidy Laboratories/G6
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and Nutrition
University of Minnesota
1334 Eckles Avenue
St. Paul, Minnesota 55108
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(AIN)

George K. Davis, Ph.D.
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University of Florida
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Gainesville, Florida 32601
(904) 376-6732
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